

Specifications:

Gene:	<i>h</i> TYRO3
Accession:	NP_006284
Insert size:	2686bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

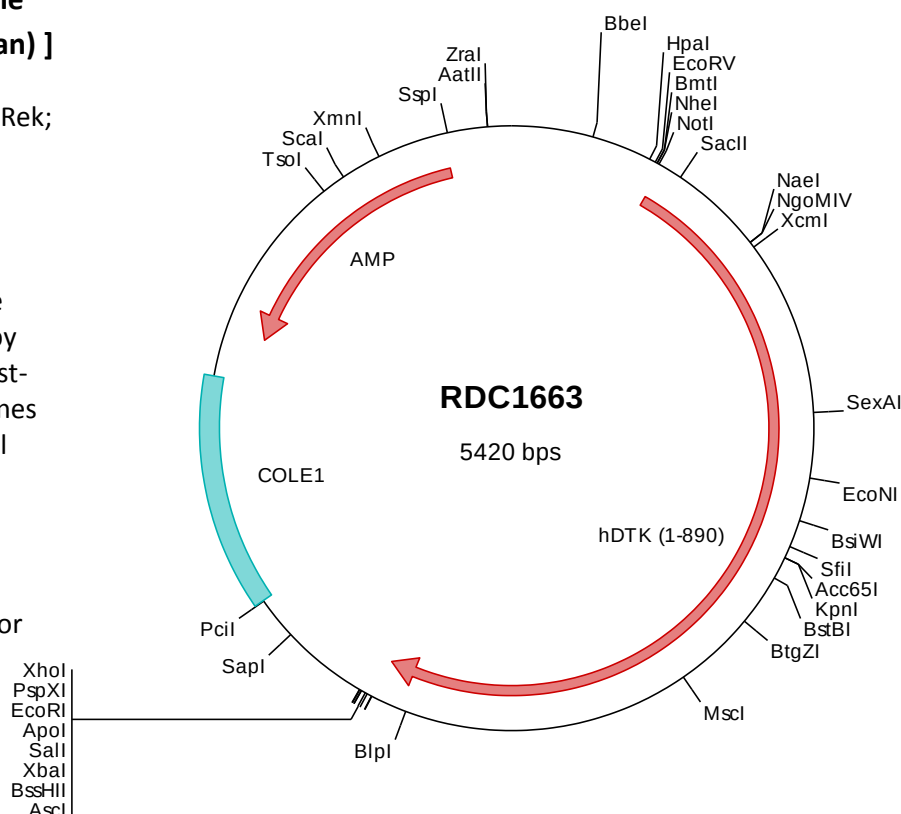
***h*Tyro3/Dtk cDNA Plasmid**

TYRO3 **TYRO3** protein tyrosine kinase [*Homo sapiens* (human)]

Also known as: BYK; Dtk; RSE; Rek; Sky; Tif; Etk-2

Summary:

DTK is part of a 3-member transmembrane receptor kinase receptor family. It is activated by the products of the growth arrest-specific gene 6 and protein S genes and is involved in controlling cell survival and proliferation, spermatogenesis, immunoregulation and phagocytosis. It has also been identified as a cell entry factor for Ebola and Marburg viruses.



> RDC1663 Plasmid DNA Sequence

```

1  tcgcgcgcttt  cggatgatgac  ggtgaaaaacc  tctgacacat  gcagctcccc  gagacgggtca  cagcttgctct  gtaagcggat  gccgggagca  gacaagcccc
101  tcaggggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtg  accatatg  gtgtgaaata
201  ccgcacacgat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgccatt  caggctcgcc  aactgttggg  aagggcgatc  ggtgcgggcc  tcttcgctat
301  tacgcccagct  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgccagggt  tttcccagtc  acgacgttgt  aaaacgacgg  ccagtgaaat
401  ggagacgtgt  taacaagctt  gcatccgata  tcgctagcgc  ggccgcacc  atggctctga  gacggagcat  gggcgggccg  gggctccgc  cgctgcgcct
501  gccgcgcgcca  ccgcggctcg  ggctgctgct  ggccgctctg  gcttctctgc  tgcctccgga  gtccgcgcgc  gcaggctctga  agctcatggg  agccccgggtg
601  aagctgacag  tgtctcaggg  gcagcgggtg  aagctcaact  gcagtggtga  ggggatggag  gagctgaca  tccagtggg  gaaggatggg  gctgtgggtcc
701  agaaacttgg  acagttgtac  atcccgatca  ctggatcgcc  ttctcagcc  tgaagtcaat  ggagcgctct  gagccggccc  ggtactgggtg  tcttcgctat
801  ccagggtggag  gatgggggtg  aaaccgagat  ctcccagcca  gtgtggctca  cggtagaagg  tgtgccattt  ttcacagtgg  agccaaaaga  tctggcagtg
901  ccacccaatg  cccctttcca  actgtcttgt  gaggtgtgtg  gtccccctga  acctgttacc  attgtctggt  ggagaggaa  tacgaagatc  gggggaccgc
1001  ctccctctcc  atctgtttta  atgtgaacag  ggttgaccga  gagcacatg  ttttctgtg  aagctcaca  cctaaaaagg  ctggcctctt  ctgcacacgc
1101  cactgtttac  cttcaagcac  tgctcgagc  ccccttcaac  atcaccgtga  caaagcttcc  cagcagcaac  gctagtgtgg  cctggatgcc  aggtgcogag
1201  ggccgagctg  tgcctacagt  ctgtacagtt  caggtgacac  agggcccgag  aggtggggaa  gtcttggtcc  tgtgcccccc  tttacctgac  ttctctgac
1301  ttgctcggga  cctgggtgct  gcacccaact  cagctcgctg  aggcacatg  ggcattcgct  tggggccctc  tccctatgct  gctgggtgct  tctctcagac
1401  caagggtcta  gccccagcca  gcgtccccc  aaacctccat  gccatccgca  cagattcagg  cctcatcttg  gagtgggaag  aagtgatccc  cgaggccccct
1501  ttggaaggcc  ccttgggacc  ctacaaactg  tcttgggttc  aagacaatgg  aacccaggat  gagctgacag  tggaggggac  cagggccaat  ttgacaggct
1601  gggatcccca  caaggttgct  atgcacgtg  tgtgtcgttc  ctgttcagtt  ggctgtggac  cctggatgct  gccactgctg  gctctctctc  atgtactggg
1701  aggcacagag  ggcctcctc  acagcgcac  atcctgggta  cctgtgtctc  ttgtgtgtct  aacggccctg  gtgacggctg  ctgccccg  cctcatctgt
1801  cctcgaaaga  gccggaaga  gacgcgggtt  gggcaagcct  ttgacagtgt  ctatggccgg  ggagagccag  cctgtcaact  ccgggcagcc  cggctcttca
1901  atcgagaagg  gccgagcgcc  atcgagcgca  cttgggcaag  catgtgacag  agcgtgaaac  aagcgtgaa  actggagagt  gtgctctatc  cagagcagca
2001  gttcacccctg  ggcgggatgt  tgggcaagg  agagtttgtg  tcaagtgcgg  agggccagct  gaagcaagag  gatggctcct  ttgtgaaagt  ggcctggaag
2101  atgtctgaag  ctgacatcat  tgcctcaag  gacattgaag  agttctcag  ggaagcaggt  tgcatgaagg  agtttgacca  tccacacgtg  gccaaacttg
2201  ttggggtaag  cctccggagc  agggctaaag  gcctgtctcc  caatccctat  gctatcttgc  ccttcatgaa  ctatggggag  ctgcatgctc  tctgtctgct
2301  ctcccgagtt  ggggagaaac  cctttaaact  accctccag  acctgtatcc  gggtcatggt  ggacattgct  tgccgcatgg  agtacctgag  ctctcggaac
2401  ttcatccacc  gacactggc  tgcctggaat  tgcctgtctg  cagaggaatc  gacagtgtgt  gtggctgact  tggactctc  ccggaagatc  tcaagtgggg
2501  actactatcg  tacaaggctg  gcctccaaac  tgcctgtcaa  gtggctggcc  ctggagagcc  tggccgacaa  cctgtatact  gtgcagagt  acgtgtgggc
2601  gttcgggggtg  accatgttgg  agatcatgac  acgtgggac  acgccaatg  ctggcatcga  aaacgctgag  atttcaact  acctcatggt  cgggaaccgc
2701  ctgaaacagg  ctccggagtg  tatggaggac  gtgtatgac  tctgtatcca  gtgtggagt  gctgaccoca  agcagcgccc  gagcttact  tgttgcgaa
2801  ttgaaactgag  gaacactctg  ggccagctgt  ctgtgctatc  tgcaccagc  gaccccttat  acatcaacat  cgagagagct  gagggaccca  ctgcggggag
2901  cagcttgag  ctactctgga  gggatcagcc  ctacagtggg  gctggggatg  gcagtggcat  gggggcagtg  ggtggcactc  ccagtgaact  ctggtaacat
3001  ctacaccocg  gagggctggc  tggagcagca  agcaccagcc  agagagctcc  ctcaatgaga  cacagaggtc  ttgtctgtct  ttgtctgtct  cagcaaggcc
3101  tactgccaca  cagtagctgt  taaaggcgcg  coagttact  cttagtctga  caccgcggga  attcctcgag  cgctcgtctc  tagcttggcg  taatcatggt
3201  catagctgtt  tctctgtgtg  aattgtttat  cgctcacaat  tccacacaac  atacgagccg  gaagcataaa  gtgtaaaagg  tgggggtgct  aatgagttag
3301  ctaactcaca  ttaatttgcg  tgcgtctact  gcccgcttcc  cttggcgtaa  acctgtctgt  ccagctgcac  taatgaatcg  gccaacgcgc  ggggagagcc
3401  ggtttgctga  ttgggcgctc  ttccgcttcc  tgcgtcactg  actcgctggg  ctgggtcgtt  cggtcgccgc  gagcggtatc  agctcactca  aaggcggtaa
3501  tacggttatc  cacagaatca  ggggataaag  caggttagca  atctgtgagc  aaaggccagc  aaaaaggccag  gaaccgtaaa  aaggcccgct  tgcgtggcgtt
3601  ttctctatag  ctccgcccc  ctgacgagca  tcacaaaaat  cgacgtcaa  gtcagaggtg  gcgaaaaccg  acaggactat  aaagatacca  gccgtttccc
3701  cctggaagct  cctcgtgctg  ctctcctgtt  ccgaccctgc  cgcttaccgg  atacctgtcc  gctttcttcc  cctcggaag  ctctgggaag  cgtggcgctt
3801  cagcgtgtag  gtatctcagt  tcggtgtagg  tcgttcgctc  caagctgggc  tgtgtgcacg  aaccccccg  tcagcccgac  cggtcgccct  tatccggtaa
3901  ctatcgtctt  gactccaacc  cggtaagaca  cgacttatcg  ccactggcag  cagccactgg  taacaggatt  agcagagcga  ggtatgtagg  cgggtctaca
4001  gagttcttga  agtgggtggc  taactacggc  tacactagaa  ggacagtatt  ttgttatctg  gctctgctga  agccagttac  ctctcgaaaa  agagtgtgta
4101  gctcttgatc  ccgcaaaaca  accaccgtg  gtacggtgtg  tttttttgtt  tgcaagcagc  agattacgcg  cagaaaaaaa  ggtatctcaag  aagatccttt
4201  gatcttttct  acggggtctg  acgctcagtg  gaacgaaaac  toacgttaag  ggaattttgt  catgagatta  tcaaaaaagg  tcttcaacta  gatcctttta
4301  aattaaaaat  gaagttttaa  atcaatctaa  agtataatg  agtaaaactg  gtctgacagt  tactaatgct  taatcagtga  ggcacctatc  tcagcgatct
4401  gtctatttgc  ttcatcata  gttgctcag  gtacgattat  tcccgctcgt  gtatagaaat  acgatacggg  aggggttacc  atctggcccc  agtgctgcaa
4501  agaccacagc  tcaccggctc  agcattttat  agcaattatc  agtagagta  agtagttcgc  ccccaacagt  ggtcctgcaa  catcgtgggt  tcacgtcgt
4601  tctattaatt  gttgccggga  agctagagta  agtagttcgc  cccaacagt  agctccggtt  gttatcactc  actgtctcct  gttagatcc  aagtcgatgt
4701  cgtaaacctt  ggtctcattc  agctccggtt  gttccactc  tgagaaatgt  gtatgcggcg  ggggcgaaaa  ctctcaagg  aatgcgcaa  aaaggggaat
4801  cgtgtttgtc  agaagtaagt  tggcccgagt  gttatcactc  tgagaatagt  gtatgcggcg  ggggcgaaaa  ctctcaagg  aatgcgcaa  aaaggggaat
4901  gtgactgtg  agtactcaac  caagtcattc  tgagaatagt  gtatgcggcg  ggggcgaaaa  ctctcaagg  aatgcgcaa  aaaggggaat  catatttgaa
5001  gcagaacttt  aaaagtgtc  atcattggaa  aacgtttctc  aacgtttctc  ggggcgaaaa  ctctcaagg  aatgcgcaa  aaaggggaat  tgaattttaga
5101  tgcacccaac  tgatcttcag  catcttttac  ttaccagc  gtttctgggt  gtttctgggt  gtttctgggt  gtttctgggt  gtttctgggt  tgaattttaga
5201  cggaatgtt  gaatactcat  actcttctt  ttccaatatt  attgaagcat  attgaagcat  attgaagcat  attgaagcat  attgaagcat  tgaattttaga
5301  aaaataaaca  aataggggtt  ccgcgcacat  ttccccgaaa  agtgccacct  agtgccacct  agtgccacct  agtgccacct  agtgccacct  tgaattttaga
5401  tatcacgag  ccctttcgtc  tatcacgag  ccctttcgtc  tatcacgag  ccctttcgtc  tatcacgag  ccctttcgtc  tatcacgag  ccctttcgtc

```

> RDC1663 Translated Insert Sequence

```

1  malrrsmgrp  glpplplppp  prlglllaal  aslllpesaa  aglklmgapv  kltvsggqpv  klncsvegme  epdiqvwkdg  avvqnldqly  ipvseqhwig
101  flslksvers  dagrywqcve  dggeteisqp  vwltvegvpf  ftvepkdlav  pnapfqlsc  eavgppepvt  ivwvrgttki  ggpapspsvl  nvtgvtqstm
201  fsceahnlkg  lassrtatvh  lqalpaapfn  itvtklsssn  asvawmpgad  grallqscvt  qvtqapggwe  vlvavvpvpp  ftcllrdlvp  atnyslrvrc
301  analgpspya  dwvpfqtkg  apasapqnlh  airtsglil  eweevipear  legplgpykl  swqdnqtd  eltvegtran  ltgwdpqkdl  ivrvcsnav
401  gcgpwsqplv  vsshdragqp  gpphsrtsw  pvvlgvltal  vtaaalalil  lrkrrketrf  gqafdsymar  gepavhfraa  rsfnrper  ieatldslgi
501  sdelkekled  vlpeqqftl  grmlgkgef  svreaqlkqe  dgsfvykavk  mlkadiass  dieeflreaa  cmkefdhphv  aklvgsrlrs  rakgrlpipm
601  vilpfnkhgd  lhafillasri  genpfnlplq  tllrfmvdia  cgmeylssrn  fihrdlaarn  cmlaedmtvc  vadfglsrki  ysgdyryrgc  asklpvkwla
701  lesladnlyt  vqsdvwafgv  tmweimtrgq  tpyagienae  iynylignr  lkqppedmed  vydlymqcws  adpkqrpsft  clrmelenil  gqslvlsasq
801  dplyiniera  eeptaggsle  lpgdrdpysg  agdgsmgav  gtpscdcrcy  ltaagglaep  gqaeqhpesp  lnetqlrlll  qgglphssc

```