

**Specifications:**

Gene:	hUSP29
Accession:	NP_065954
Insert size:	2781bp
Concentration:	10µg at 0.2µg/µL

**hUSP29 cDNA  
Plasmid**

**USP29 ubiquitin specific  
peptidase 29 [ *Homo  
sapiens*(human) ]**

**Also known as:** HOM-TES-84/86

**Summary:**

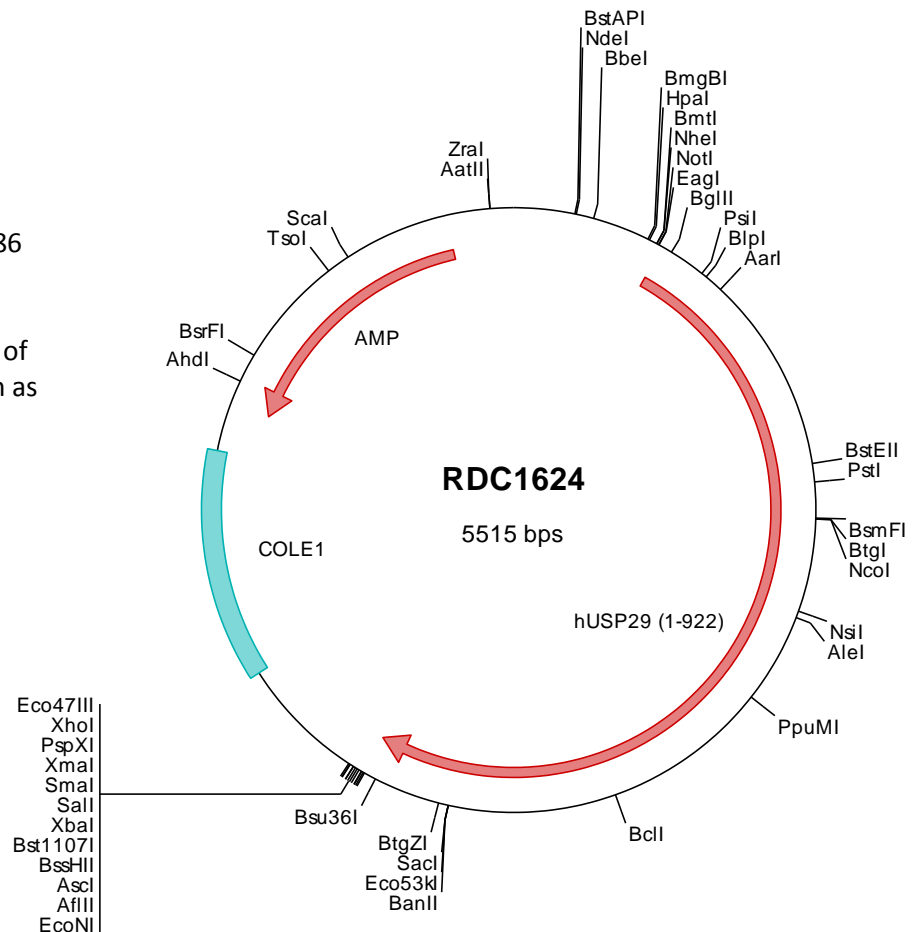
USP29 belongs to a large family of cysteine proteases that function as deubiquitinating enzymes.

**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.



> RDC1624 Plasmid DNA Sequence

```

1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccggggagca  gacaagcccg
101  tcagggcgcg  tcagcgggtg  ttggcgggtg  tcggggctgg  ctttaactatg  cggcatcaga  gcagattgta  ctgagagtg  accatattg  gttgtaaata
201  ccgcacagat  gcgtaaggag  aaaataccgc  atcaggcgcc  attcgcatt  caggctcgc  aactgttgg  aagggcgatc  ggtgcccgg  tcttcgctat
301  tacgcccagt  ggcgaaaagg  ggatgtgctg  caaggcgatt  aagttgggta  acgcccagg  ttcccagtc  acgacgtgt  aaaacgacg  ccagtgaatt
401  ggagacgtgt  taacaagctt  ggatccgata  tcgctagcgc  ggccgcccac  atgatatotc  taaaggtatg  tggattcatt  cagatctgga  gccagaagac
501  tgggatgact  aagctgaaag  aagctctcat  tgaaaacagt  caaagacaaa  aggaaattaa  actggtggtc  actttcaaat  ctggaaaatt  tataagaatt
601  tttcagctga  gcaacaacat  tagaagtgtg  gtoccttagc  attgtaaaa  aagacaaagt  cacctgcggt  taactttgaa  aaacaacgtg  ttctgttta
701  ttgacaiaatt  atcctacaga  agtgctaaac  agttgaatat  gttcctggac  aataatccac  aaaaacaaatc  tcagcaaac  atgaaatctg  atgatgattg
801  gagtgtgttt  gaaagcagga  atatgctgaa  gaaaattgac  aaaaactcat  ttacagcat  ttgtaacaag  ccaagttatc  agaagatgcc  tttgtttatg
901  tcaaaatcac  caacacatgt  gaaaaagggg  atattagaaa  atcaaggtg  gaaggggcaa  aacacactat  catctgatgt  acagacaaat  gaggacattc
1001  tgaaggaga  taacctgta  ccaacaaga  aatataagac  agattccttg  aatatatac  aaagcaatag  gaagaacca  tcaagtttag  aggatttaga
1101  aaaaataga  gatttgaacc  tcgggccttc  atccaatacc  aactgtaatg  gaaatcctaa  cctagatgag  actgttcttg  caaccagac  tctcaatgct
1201  aaaaatggtt  tcacactctc  attggaacca  gagcacagcc  aggtgaccc  aagatgcac  aaagcccagg  tgcctcttga  ctctacttca  cagcaactgc
1301  aagacgggtt  ggcaaatctg  gtaaacacct  gttacatgaa  tgcagtttta  caatcgctat  ttgcaattcc  atcttttctg  atgatcttac  aggttcaagg
1401  tgtcccatgg  gaataatctc  cctttgagcc  tcttattatg  acctgaccc  agctgcttc  ttgaaagat  ttctgtagta  caaagatcaa  gagagaatta
1501  ctggtggaat  ttaaaaagt  cctttcagca  gttgcagaaa  tattttctg  caactgcag  aatgatgctc  atgattttt  aggtcaggt  tttagccagc
1601  tgaagaaga  catggaaaa  ttaaatgcca  ctttgaatc  tgggaaagaa  tgggggcatg  aaaaatcctc  tcccaaatg  atgaaatctg  atgatgattg
1701  caaagtgttt  gtttcgctg  ttgttgctaa  ttttgagttt  gaattgcagc  tctcctctat  ttgtaagct  tgtggtcag  ctgttctcaa  ggttagaacct
1801  aataaattat  tctcctcaa  cctgcaccaa  gaaacaaaac  cactcctct  gctcctcag  aatctgctg  aactgtctt  atctgctct  atcaattctc
1901  ataaactgca  gatgtgtaag  cagaagaagt  gtgtgcaag  ctatacatt  agtaggctc  ccaggtctc  tctcctctc  tctcctctc  atcaattctc
2001  caatgcttgg  ttgctgtgta  agaataacga  gcaagtttat  attcccaat  ctttaagttt  atctcttat  tgcaatgaa  gcaacaaacc  acctctccc
2101  ttgagcagta  gtgcacgtgt  tgggaaatgt  gaagtctgg  aagtctcct  ggagatgat  tetgatgca  acagccatt  acagccatt  gacaccatca
2201  cctcagaatc  cagtgtctc  cctgtctctc  cctgtgtaac  agacaagaat  agcagcctac  aaagatcca  gagagactgt  gagagatcaa  tgaagaagca
2301  gcatcagaga  gacctgaaa  atggctctgc  actagatgca  gaattggtcc  actttagaga  tagggcaatc  ggtgaaaagg  agcttccagt  gctgtactca
2401  ctgatggacc  agggagacat  tctctctct  gtgatgtat  aagatggagg  gaagctgac  agcagcccag  acacaaggct  tctcaggtt  ttctcaggtt
2501  aggtgctc  acatocagaa  ctctcagaat  atgagaaaa  caatacatt  atgagttca  attttgacag  tgtcactgag  tctcaccatg  gcttttatga
2601  ctgtaaaaga  aacaggtatc  cagaaggtat  tcaaggaatg  gctgaacagc  tcaagagag  tattgaggag  agcatcctag  atgaattct  tcagcagcca
2701  ccaactcag  ggtttaggaa  ctggtatg  caggatgccc  caggaacata  cctcaactc  tctcagaat  taagacttca  aaaggtctg  ctgaaatccc
2801  ttggggcact  ggtttctgac  aaccaggaa  acaaaaaact  ttttagtgca  gagaacaaa  gaggtgaaag  caaggaacta  acaagaaacg  tgaagatggg
2901  ggtctctctc  cagcctcaca  gactcatcag  tgttctcagc  catatcggga  gctcccocaa  ttcagccatc  tacatcagcg  atgtgtatga  ctttcagaag
3001  cagcctctg  tcaactacaa  cgatctatgt  gtatcagaaa  tctcagagac  caaactcag  gaggcagct  gaggcagct  tctcctctg  atgtatcttc
3101  acaatgggat  ttttgaggag  ctgttaagaa  aagcagagaa  ctctcggcta  cctagcacac  aggcaggggt  gatccctcag  ggggaatcag  aaggtgactc
3201  tttgtacaga  cctgtctaa  gcgcgccagt  atactctaga  gtgcacaccc  ggggaattcc  tcgacgctc  gtctctagt  tggcgtaatc  atggtcatag
3301  ctgtttctgt  tgtgaaattg  ttatccgctc  acaattccac  acaacatagc  agccggaagc  ataaagtgt  aagcctggg  tgccaatga  gtgagctaac
3401  tcacattaat  tgcgttgcgc  tcaactgccc  ctttccagtc  gggaaacctg  tctgtccagc  tgcattaatg  aatcggccaa  cgcgcccggg  gagggcgttt
3501  gcgtattggg  cgtctctccg  cttcctcgt  cactgactcg  ctgcctcgg  tctgtccgct  gcggcgagcg  gtatcagctc  actcaaaagg  ggtaatcacg
3601  ttatccacag  aatcagttgg  taacgcagga  aagaacatgt  gagcaaaaag  cccagcaaac  gccaggaacc  gtaaaaaagg  ctcgcttctg  cgcctttctc
3701  ataggctccg  cccccctgac  gagcatcaca  aaaatcgac  ctcaagttag  aggtggcgaa  acccgacagg  actataaaga  taccagcgt  tccccctgg
3801  aagctccctc  gtgcgctctc  ctgttccagc  cctgcgctt  accggatacc  tgtcctctc  tctcctctg  ggaagcgtg  cgtttctca  atgctcaacc
3901  tttaggtatc  tcaagtctgt  gtaggtctgt  cgtctcagc  tggcctgtg  gcaacgaacc  ccggttcag  ccgaccctg  cccttatcc  gcttaactatc
4001  gtcttgatc  caaccgggta  agacacgact  tatcgccact  ggcagcagc  actggttaaa  ggattagcag  agcgaggat  gtaggcggg  ctacagagtt
4101  ctgaaagtgt  tggcctaaat  acggctacac  tagaaggaca  gtatttgta  tctgctctc  gctgaaagca  gttaccttgc  gaaaaagagt  ttgtagctct
4201  gtatccgcca  acaaaaaccac  cgtctgtagc  ggtgtgtttt  ttgtttgcaa  tctgcagatt  acgcgcagaa  aaaaaggatc  caagaagat  cctttgatct
4301  tttctacggg  gtctgacgct  cagtggaaac  aaaactcag  ttaaggatt  ttggtcatga  gattatcaaa  aaggatctc  acctagatcc  ttttaatta
4401  aaaaatgagt  ttaaaatcaa  tctaaagat  atatgagtaa  acttggctg  acagttaaca  atgtctaatc  agtgaggcac  ctatctcagc  gatctgtcta
4501  tttcgttcat  ccatagttgc  ctgactcccc  gtctgttaga  taactacgat  taaccagggc  ttaccatctg  gcccagtcg  ctccctctg  ccccgagacc
4601  cagctcacc  ggtccagat  ttatcagcaa  taaccagcc  agccggaag  gccgagcga  gaagtgtct  tgcaacttta  tccgctcca  tccagctat
4701  taattgttgc  cgggaagcta  gagtaagtga  ttocagagt  aatagtttg  gcaacctgt  tgcctgtct  acagggatc  ttgtgtcagc  ctctctctg
4801  ggtatggctt  cattcagctc  cggttcccaa  cgatcaaggc  gagttacatg  gatccccatg  atccccatg  ttgtgcaaaa  aagcggttg  atccctctg
4901  ttgtcagaag  taagtggcc  gcagtgttat  cactcatggt  tatggcagca  ctgcataatt  ctctactgt  catgccatcc  gtaagatgct  tttctgtgac
5001  tggtagtac  tcaaccaagt  cactctgaga  atagtgtatg  cggcgacgca  gttgctctg  cccggcgtca  atacgggata  ataccgccc  acatagcaga
5101  actttaaaag  tgctcatcat  tggaaaacgt  tcttcggggc  gaaaactctc  taagatctta  ccgctgttga  gatccagttc  gatgtaacc  actcgtgca
5201  ccaactgatc  ttcagcatct  tttactttca  ccagcgtttc  tgggtgagca  aaaaacagaa  ggcaaatgc  cgaaaaaag  ggaataagg  cgacacggaa
5301  atgttgaaata  ctcactatct  tcttttttca  atattattga  agcatttatc  aggttattg  tctcatgagc  ggatacatat  ttgaatgat  ttgaaaaaat
5401  aaaaataatg  gggttccgcg  cacatttccc  cgaaaagtgc  cacctcagct  ctaagaaacc  attattatca  tgacattaac  ctataaaaat  aggcgtatca
5501  cgaggccctt  tcgtc

```

> RDC1624 Translated Insert Sequence

```

1   mislkvvgfi  qiwsqktgmt  klkealiety  qrqkeiklvv  tfkskgfiri  fqlsnnrsv  vlrhckkrqs  hlrltlknnv  flfidklsyr  dakqlnmfld
101  iihqnksqgp  mksdddsvf  esrnmkleid  ktsfysicnk  psyqkmlfpm  sksptvhkkg  ilenqggkqg  ntlssdvqtn  edilkeednpv  pnkkyktdsl
201  kyiqsnrknk  ssledlekr  dlklgpfnt  ncngnplde  tvlatqtlna  knlgtsplep  ehsggdprcn  kaqvpldshs  qqlqggfpln  gntcymnavl
301  qslfaipsfa  ddlltggvfw  eyipfealim  tltqllalkd  fcstkikrel  lgnvkkvisa  vaeifsgnmq  ndaheflgqc  ldqlkedmek  lnatlngtke
401  cgdensspgm  hvgsaatkvf  vcpvvanfef  elqlsllicka  cghavlkvep  nnylsinlhq  etkplplsiq  nsldlffkee  eleyncqmk  qkscvartft
501  srlsrvliih  lkrysfnnaw  llvknneqvy  ipkslslssy  cnestkpppl  lssaapvgkc  evlevsqemi  seinspltps  mkltsessds  lvlpvepdkn
601  adlqrfrqrd  gdasqeqhqr  dlengsales  elvhfrdrai  gekelpvads  lmdqgdialp  vmyedggkli  sspdtlrlev  hlqevpqhpe  lqkyektntf
701  vefnfdsvte  stngfydcke  nrpegsqgm  aeqlqociee  siideflqqa  pppgvrklda  qehteetlnq  stelriqkad  lnhlgalgsd  npgnknilda
801  entrgaekel  trnvkmgdpl  qayrlisvvs  higsspsnsh  yisdvydfgk  qawftyndcl  vseisetkmq  earlshsgyif  fymhngifee  llrkaensrl
901  pstqagvipq  geyegdslyr  pa

```