*m*Mer VersaClone cDNA

Catalog Number: RDC2728

Specifications:

Gene:	*m*Mertk
Accession:	NP_032613
Insert size:	2998bp
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

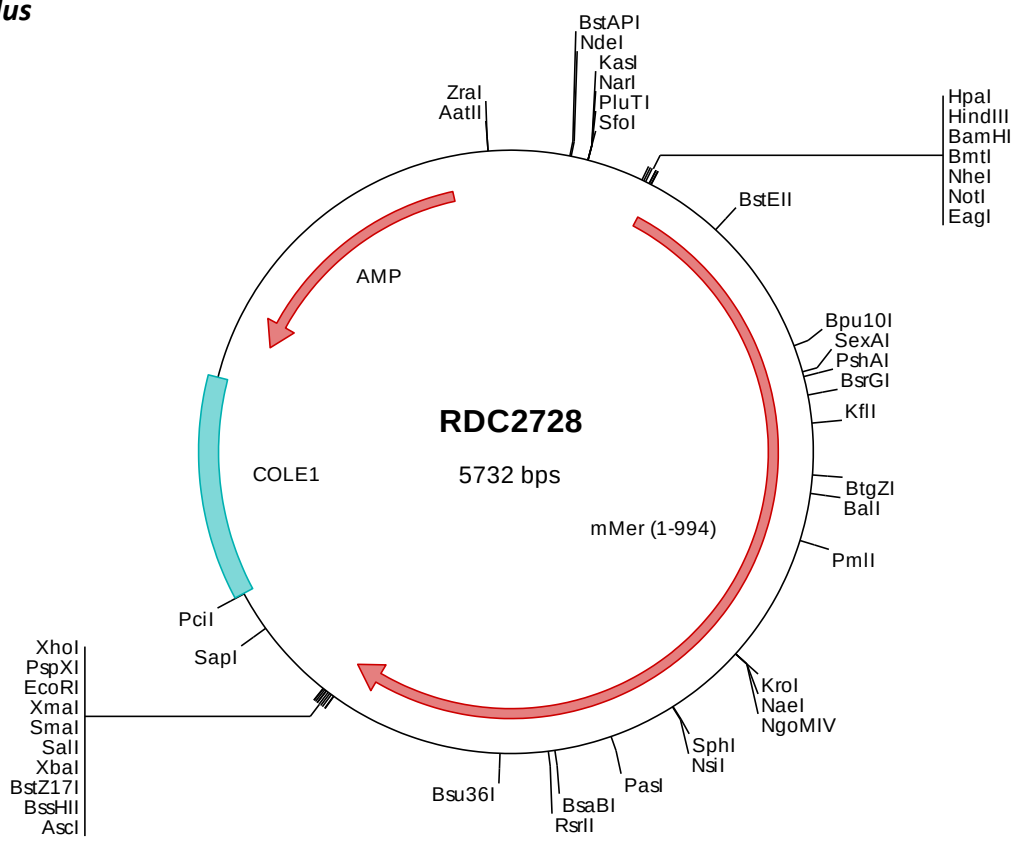
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*Mer cDNA Plasmid

Mertk MER proto-oncogene tyrosine kinase [*Mus musculus* (house mouse)]

Also known as: Eyk; Mer; Nyk; nmf12

Summary:
Mer is a member of the MER/AXL/TYRO3 receptor kinase family. It is a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in Mer have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP).



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2728 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 801  ccaagaaacg gctggcattt catggtggaa agatggaaag gaattgctcg gggcacatca ttcaatcaca cagttttatc ctgatgagga aggggtatca
 901  ataattgcat tgttcagcat agccagtgtg cagcgctcag acaatgggtc gtacttctgt aagatgaagg tgaacaatag agagattgta tctgatccca
1001  tatacgtgga agttcaagga ctcccttact ttattaagca gcctgagagt gtgaatgtca ccagaaacac agccttcaac ctcacctgcc aggccgtggg
1101  ccctcctgag cccgtcaata tcttctgggt tcaaaatagc agccgtgtta atgaaaaacc ggaaaggtcc ccgtctgtcc taaccgtacc tggtctgaca
1201  gagacagcag tcttcagctg tgaggcccac aatgacaaag gactgacggt gtccaagggt gtacatatca acatcaaagt aatcccctcc ccgcccactg
1301  aagtccatat cctcaacagt acagcacaca gcatcctggt ctcctgggtc cctggttttg atggctactc cccacttcag aactgcagca ttcaggtcaa
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1701  atctcacgtg tgggaaagcg cagggactta caaagagctt tctgaagaag tcagccagaa tggcagctgg gctcagattc ctgtccaaat ccacaatgcc
1801  acctgcacag tgagaatcgc ggccattact aaaggggtca tcgggccctt cagtgagcca gtgaatatca tcattcctga acacagtaag gtagattacg
1901  caccctcgtc aaccccagcc cctggcaaca ccgactctat gttcatcatc ctcggctgct tctgtggatt cattttaatc gggttaattt tgtgtatttc
2001  tctggccctc agaaggagag tccaggaaac aaagtttggg ggagcattct ctgaggagga ttcccaactg gtcgtaaatt atagagcgaa gaagtccttc
2101  tgccggcgag ccatcgagct taccttgcag agcctgggag tgagcgagga gctgcagaat aagctggaag atgttgtgat tgacagaaac cttctggttc
2201  tcggcaaagt tctgggtgaa ggagagtttg ggtctgtaat ggaaggaaat ttgaagcaag aagatgggac ttctcagaag gtggcagtga agaccatgaa
2301  gttggacaac ttttctcaac gggagatcga ggagtttctc agcgaagcag catgcatgaa agacttcaac cacccaaatg tcatccgact tctaggcgtg
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2501  acacaggacc caagtacatt cacctgcaga cactactgaa gttcatgatg gacattgccc agggaatgga gtatctgagc aacaggaatt ttcttcatag
2601  ggatttggca gctcgaaact gcatgttgcg ggatgacatg actgtctgcg tggcagactt tggcctctca aagaagattt acagtggtga ttattaccgc
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3601  ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc attaatgaat cggccaacgc
3701  gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact
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> RDC2728 Translated Insert Sequence

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 201  vnvtrntafn ltcqavgppe pvnifwvqns srvnekpers psvltvpglt etavfsceah ndkgltvskg vhinikvips pptevhilns tahsilvswv
 301  pgfdgysplq ncsiqvkead rlsngsvmvf ntsasphlye iqqlqalany siavscrnei gwsavspwil asttegapsv aplnitvfln esnnildirw
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 501  lgcfcgfili glilcislal rrrvqetkfg gafseedsql vvnyrakksf crraieltlq slgvseelqn kledvvidrn llvlgkvlge gefgsvmegn
 601  lkqedgtsqk vavktmkldn fsqreieefl seaacmkdfn hpnvirllgv cielssqgip kpmvilpfmk ygdlhtflly srlntgpkyi hlqtllkfmm
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 801  nhemydyllh ghrlkqpedc ldelydimys cwsadpldrp tfsvlrlqle klseslpdaq dkesiiyint qllescegia ngpsltgldm nidpdsiias
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