*m*5T4 VersaClone cDNA

Catalog Number: RDC2472

Specifications:

Gene:	*m*5T4
Accession:	NP_035757
Insert size:	1294bp
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*5T4 cDNA Plasmid

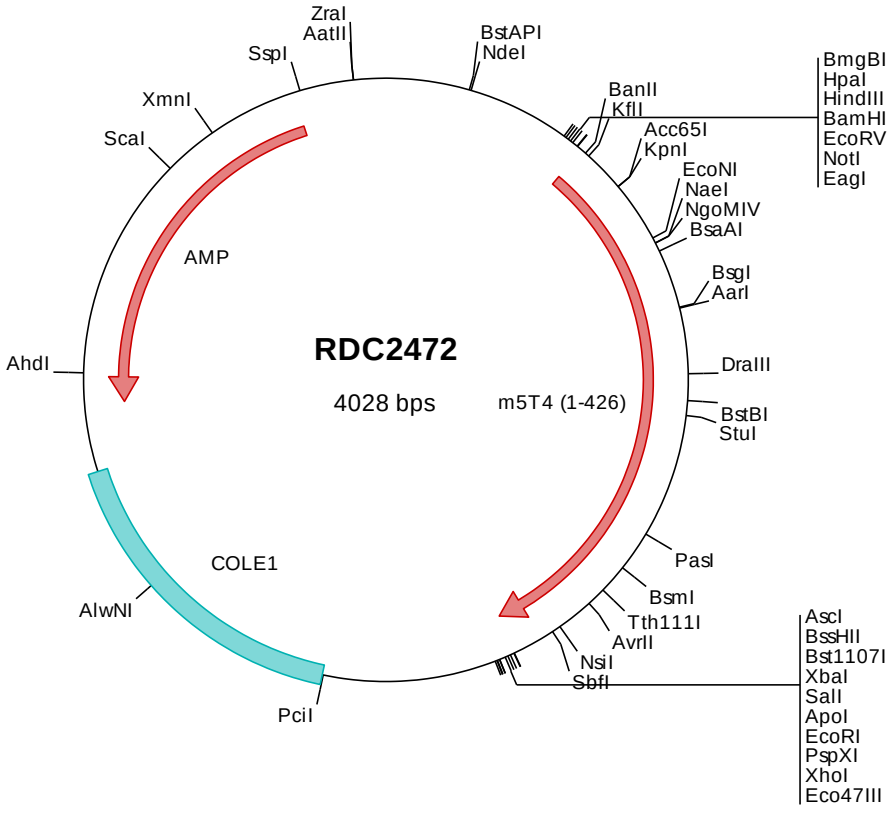
Tpbg trophoblast glycoprotein

[*Mus musculus* (house mouse)]

Also known as: 5T4; WAIF1; AW495680

Summary:

5T4 is a member of the LRR family of proteins. It is a leucine-rich transmembrane glycoprotein that may be involved in cell adhesion and motility. It is an oncofetal antigen that is specific to trophoblast cells. In adults 5T4 is highly expressed in many tumor cells and is associated with poor clinical outcome in numerous cancers.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2472 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgcctgggg cgggctcccg gggaccctcc gctggggacg gacggctgag
 501  gttggcaagg ctggcgctag tgctgctggg ttgggtctcc gcgtcggccc ccagctcttc ggtaccctcg tcttccacct ccccggcagc cttcctggcc
 601  tcggggtctg cgcagcctcc tccagccgag agatgccctg cggcgtgcga gtgctccgag gcggctcgca cggttaagtg cgtgaaccgc aacctgctgg
 701  aggtgccggc ggatctaccg ccttacgtgc gcaacctttt ccttaccggc aaccagatga ccgtgctccc agcgggcgcc ttcgcacgcc agccgccgct
 801  cgccgacctg gaggcgctca acctcagcgg caaccacctg aaggaagtgt gtgcaggtgc cttcgagcat ctgccgggtc tgcgacggct tgacctcagc
 901  cacaaccctc tcaccaacct cagcgccttc gcctttgcgg gcagcaacgc cagcgtctcg gcccccagcc ccctggagga gctgatcctg aatcacatcg
1001  tgccccctga ggatcagagg cagaacggga gcttcgaggg tatggtggcc ttcgaaggca tggtggcagc agctctgcgc tcaggccttg cactccgagg
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1201  tccctggtga gcctgaccta cgcatccttc cgcaacctga cacacctcga aagcctccac ttggaggaca atgccctcaa ggtccttcac aactccacct
1301  tggctgagtg gcacggcctg gctcatgtca aggtgttcct ggacaacaat ccctgggttt gcgactgcta catggctgac atggtggctt ggcttaaaga
1401  gacagaggtg gtgccagata aagccaggct tacctgcgca ttcccggaga agatgaggaa tcgtggcctc ttagacctca acagctctga cctggactgt
1501  gacgctgtcc ttccccaatc cctgcagact tcctatgtct tcctaggtat tgttttagct ctgataggcg ctattttcct cctcgttttg tatttgaacc
1601  gtaaaggcat aaaaaagtgg atgcataaca tcagagatgc ctgcagggat cacatggaag ggtatcatta cagatacgaa atcaatgcgg accccagatt
1701  aacaaatctt agttccaact cggatgtcta aaggcgcgcc agtatactct agagtcgaca cccggggaat tcctcgagcg ctcgtctcta gcttggcgta
1801  atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt gtaaagcctg gggtgcctaa
1901  tgagtgagct aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg
2001  ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa
2101  ggcggtaata cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga accgtaaaaa ggccgcgttg
2201  ctggcgtttt tccataggct ccgccccccct gacgagcatc acaaaaatcg acgctcaagt cagaggtggc gaaacccgac aggactataa agataccagg
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2701  agttggtagc tcttgatccg gcaaacaaac caccgctggt agcggtggtt tttttgtttg caagcagcag attacgcgca gaaaaaaagg atctcaagaa
2801  gatcctttga tcttttctac ggggtctgac gctcagtgga acgaaaactc acgttaaggg attttggtca tgagattatc aaaaaggatc ttcacctaga
2901  tccttttaaa ttaaaaatga agttttaaat caatctaaag tatatatgag taaacttggt ctgacagtta ccaatgctta atcagtgagg cacctatctc
3001  agcgatctgt ctatttcgtt catccatagt tgcctgactc cccgtcgtgt agataactac gatacgggag ggcttaccat ctggccccag tgctgcaatg
3101  ataccgcgag acccacgctc accggctcca gatttatcag caataaacca gccagccgga agggccgagc gcagaagtgg tcctgcaact ttatccgcct
3201  ccatccagtc tattaattgt tgccgggaag ctagagtaag tagttcgcca gttaatagtt tgcgcaacgt tgttgccatt gctacaggca tcgtggtgtc
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3501  gcttttctgt gactggtgag tactcaacca agtcattctg agaatagtgt atgcggcgac cgagttgctc ttgcccggcg tcaatacggg ataataccgc
3601  gccacatagc agaactttaa aagtgctcat cattggaaaa cgttcttcgg ggcgaaaact ctcaaggatc ttaccgctgt tgagatccag ttcgatgtaa
3701  cccactcgtg cacccaactg atcttcagca tcttttactt tcaccagcgt ttctgggtga gcaaaaacag gaaggcaaaa tgccgcaaaa aagggaataa
3801  gggcgacacg gaaatgttga atactcatac tcttcctttt tcaatattat tgaagcattt atcagggtta ttgtctcatg agcggataca tatttgaatg
3901  tatttagaaa aataaacaaa taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa
4001  aataggcgta tcacgaggcc ctttcgtc
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> RDC2472 Translated Insert Sequence

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 101  nqmtvlpaga farqppladl ealnlsgnhl kevcagafeh lpglrrldls hnpltnlsaf afagsnasvs apspleelil nhivppedqr qngsfegmva
 201  fegmvaaalr sglalrgltr lelasnhflf lprdllaqlp slryldlrnn slvsltyasf rnlthleslh lednalkvlh nstlaewhgl ahvkvfldnn
 301  pwvcdcymad mvawlketev vpdkarltca fpekmrnrgl ldlnssdldc davlpqslqt syvflgivla ligaifllvl ylnrkgikkw mhnirdacrd
 401  hmegyhyrye inadprltnl ssnsdv
```