

Product datasheet for RR202065

Tmem158 (NM_057212) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tmem158 (NM_057212) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Tmem158
 Synonyms: Ris1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR202065 representing NM_057212
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTACCCCTTCTCGCCGCGCTACTGGCCGCGCCTGCCGCTGCCGCCGGCGCGCGGGGCCACGG
 ATGCGCCCGCCTTTCTGGGACGCCCCAAATGCTTCGGCAATGCTTCCTTCACCGGCGAACACTCCAC
 CCCGCTCTGCTGGCATCGGCGGCATCCGACCCCCAGAGCGCGCGGGCCAGAGGAGGCTCCTGCGGGC
 CCCTGCAACATCAGCGTGCAACGGCAGATGCTGAGCTCCCTGCTCGTGCCTGGGGCCGCCGCGGGCT
 TGCAGTGGACCTGCTGCTTCTCTACCAACGCGCACGCGCCGCGCTTCTTTGCCGCGCCTTCCACCG
 CGTCGGGCGCCGCTGCTCATCGAGCATCTGGGGCTGGCGGCCGGCGCGCAGCAAGACTGCGCCTG
 TCGTGGGCTGTGGCTGGGTGCGCGGCCGCTGCGAGCTCCCGCCGGGGTCCCACCGCTCTGCCTGCCT
 ACCCCGCGGCCGAACCGGGCCGCTGTGGCTGCAGGGCGAGCCTCGTCACTTCTGCTGCCTGGACTTCAG
 CCTGGAGGAGCTGCAGGGCGAGCCGGGCTGGCGGCTGAACCGCAAGCCATCGAGTCCACGCTGGTGGCC
 TGCTTCATGACCTTGTTCATCGTGGTGTGGAGCGTGGCCGCCCTCATCTGGCCGGTGGCCATCATTGCCG
 GCTTCTTGCCCAACGGCATGGAGCAGCGCCGACCACCGCCGGCGCCCCGCGGGCGCTCCTGCAGCCGT
 ACCCGCGGGGACTACCGCCGAGCCGCCCGCTGCTGCAGCAGTGCCTGGCCGCGCGCCGCTCACCTCG
 GGGTGGCTCCAAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR202065 representing NM_057212
Red=Cloning site Green=Tags(s)

MLPLLAALLAAACPLPPARGGATDAPGLSGTPPNASANASFTGEHSTPRLLASAASAPPERAGPEEAPAA
 PCNISVQRQMLSSLLVRWGRPRGLQCDLLLSTNAHGRAFFAAAFHRVGPPLLIEHLGLAAGGAQQDLRL
 CVGCGWVRGRLRAPAGAPTALPAYPAEPGPLWLQGEPRHFCCLDFSLLEELQGEPGWRLNRKPIESTLVA
 CFMTLVIVVWSVAALIWPVPIIAGFLPNGMEQRRTTAGAPAAAPAAVPAGTTAAAAAAAAAAAAAAVTS
 GVAPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_057212

ORF Size: 855 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_057212.1](#), [NP_476560.1](#)

RefSeq Size: 999 bp

RefSeq ORF: 858 bp

Locus ID: 117582

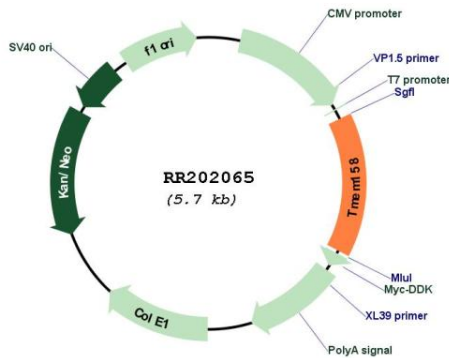
UniProt ID: [Q91XV7](#)

Cytogenetics: 8q32

MW: 29 kDa

Gene Summary: receptor that binds brain injury-derived neurotrophic peptide; abolishes the protective effect of brain injury-derived neurotrophic peptide [RGD, Feb 2006]

Product images:



Circular map for RR202065