

Product datasheet for **MG214991**

Trem3 (NM_021407) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Trem3
Synonyms: BBI34760; TREM-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214991 representing NM_021407
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCACCGCTGCTGCTATGGCTGGGGCTGATGCTCTGTGTCTCGGGACTCCAAGCTGGAGATGAGGAAG
AACACAAGTGTCTGAGGGGCGAGAACCCTGACCCTGACTTGTCTTACAACATCATGCTATACTCACT
GAGCCTGAAGGCCCTGGCAGCGGGTCAGAAGCCACGGTTCTCCAGAGACTCTGGTGCTCACAAACACCAGA
AAGGCAGACTTCAACGTGGCCAGGGCTGGGAAGTACTTGCTGGAGGATTATCCACCGAATCTGTGCTCA
AGGTCACGGTGACTGGCTGCAGAGGCAAGATGTGGGGCTGTACCAGTGTGGTCTACCTCTCTCCTGA
CAATGTTATCATTCTGCGTCAACGGATACGGCTGGCATGGTGTCAAGGGAAGCCAGTGATGGTGATCGTT
CTGACGTGTGGTTCATACTAAACAAGGGCCTGGTCTTCTCAGTCTGTTTGTCTTTCTCTGCAAAGCTG
GGCCTAAGGTGTTACAGCCTTCCAAGACATCCAAGTACAGGGAGTCTCTGAGAAACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214991 representing NM_021407
Red=Cloning site Green=Tags(s)

MSPLLLWLGLMLCVSGLQAGDEEEHKCFLEGENLTLTCPYNIMLYSLKAWQVRVSHGSPETLVTNTR
KADFNVARAGKYLLLEDYPTESVVKVTVTGLQRQDVGLYQCVVYLSPDNVIILRQIRLAWCQKPMVIV
LTCGFILNKGLVFSVLFVFLCKAGPKVLQPSKTSKVQGVSEKQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_021407

ORF Size: 549 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.

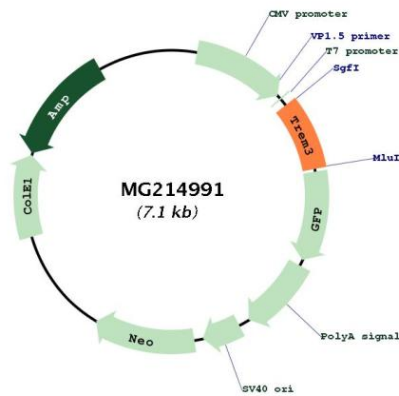
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021407.3](#), [NP_067382.1](#)

RefSeq Size: 994 bp
RefSeq ORF: 552 bp
Locus ID: 58218
UniProt ID: [Q9JKE1](#)
Cytogenetics: 17 C

Gene Summary: The protein encoded by this gene is part of the immunoglobulin and lectin-like superfamily and is thought to function as part of the innate immune system. This gene forms part of a cluster of genes on mouse chromosome 17 thought to be involved in innate immunity. This protein has been reported to associate with the adaptor protein Dap-12 to form a receptor signaling complex that activates myeloid cells. [provided by RefSeq, Jan 2013]

Product images:



Circular map for MG214991