

Product datasheet for **SC305156**

TREML2 (NM_024807) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TREML2 (NM_024807) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TREML2 |
| Synonyms: | C6orf76; dj238O23.1; TLT-2; TLT2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC305156 representing NM_024807. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

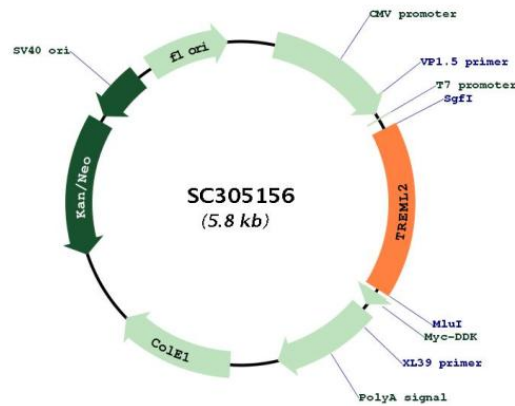
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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCCAGCCTTCTGCTGCTGCTGCTGCTGTGGCCACAGGGTTGCGTCTCAGGCCCTCTGCTGAC
AGTGTATACACAAAAGTGAAGGCTCCTTGAAGGGGAGACTCTGTCTGTGCAGTGTCTATAAGGGCTAC
AAAAACCGCGTGGAGGGCAAGGTTTGGTGCAAAATCAGGAAGAAGAAGTGTGAGCCTGGCTTTGCCCGA
GTCTGGGTGAAAGGGCCCGCTACTTGTGCAGGACGATGCCAGGCCAAGGTGGTCAACATCACCATG
GTGGCCCTCAAGCTCCAGGACTCAGGCCGATACTGGTGCATGCGCAACACCTCTGGGATCCTGTACCCC
TTGATGGGCTTCCAGCTGGATGTGTCTCCAGCTCCCCAAACTGAGAGGAACATTCCTTTACACATCTG
GACAACATCCTCAAGAGTGAAGTGTCAACAAGTGGCCAAAGCCCTACCTCAGGCCCTGATGCCCTTTT
ACCACTGGTGTGATGGTGTTCACCCAGGACTCATCACCTTGCCTAGGCTCTTAGCTCCACCAGACCT
GCCTCAAAGACAGGCTACAGCTTCACTGTACCAGCACCACCAGCCAGGGACCCAGGAGGACCATGGGG
TCCCAGACAGTGACCGCTCTCCAGCAATGCCAGGGACTCCTCTGCTGGCCAGAATCCATCTCCACT
AAGTCTGGGGACCTCAGCACCAGATCGCCACCACAGGGCTCTGCCTCACCAGCAGATCTCTCCTCAAC
AGACTACCCTCCATGCCCTCCATCAGGCACCAGGATGTTACTCCACTGTGCTTGGGGTGGTGTGACC
CTCCTGGTGTGATGCTGATCATGGTCTATGGGTTTGGGAAGAAGAGACACATGGCAAGCTACAGCATG
TGCAGCGATCCTTCTACACGTGACCCACCTGGAAGACCAGAGCCCTATGTGGAAGTCTACTTGATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_024807

Insert Size: 966 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).

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| Reconstitution Method: | <ol style="list-style-type: none">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_024807.3 |
| RefSeq Size: | 3840 bp |
| RefSeq ORF: | 966 bp |
| Locus ID: | 79865 |
| UniProt ID: | Q5T2D2 |
| Cytogenetics: | 6p21.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 35.1 kDa |
| Gene Summary: | TREML2 is located in a gene cluster on chromosome 6 with the single Ig variable (IgV) domain activating receptors TREM1 (MIM 605085) and TREM2 (MIM 605086), but it has distinct structural and functional properties (Allcock et al., 2003 [PubMed 12645956]).[supplied by OMIM, Mar 2008] |