

Product datasheet for MC218533

Tmem142a (BC023149) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem142a (BC023149) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmem142a
Synonyms: D730049H07Rik; orai-1; Tmem142a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC023149

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCTCAACGAGCACTCGATGCAGGCGCTGTCTGGCGCAAGCTCTACTTAAGCCGCGCCAAGCTCA
AAGCTTCCAGCCGACCTCGGCTCTGCTCTCCGGCTTCGCCATGGTAGCGATGGTGAAGTCCAGCTGGA
CACAGACCATGACTACCCACCAGGGTTGCTCATCGTCTTAGTGCCTGCACCACAGTGTAGTGGCCGTG
CACCTGTTTGCCTCATGATCAGCACCTGCATCCTGCCAACATCGAGGCTGTGAGCAACGTCCACAACC
TCAACTCGGTCAAAGAGTCACCCACGAGCGCATGCATCGCCACATCGAGCTGGCCTGGCCTTCTCCAC
GGTCATCGGGACGCTGTTTTCTAGCAGAGGTGCTGCTCTGCTGGTCAAGTCTTACCTCTCAAG
AGGCAAGCGGGACAGCCAAGCCCCACCAAGCCTCCCGTGAATCAGTCATCGTCGCCAACACAGCGACA
GCAGCGGCATCACCCGGGTGAGGCGGCAGCCATTGCCTCCACCGCCATCATGGTTCCCTGTGGCCTGGT
TTTTATCGTCTTTGCCGTTCACTTCTACCGTCCCTGGTCAGCCATAAGACGGACCGGCAGTTCACAGGAG
CTCAATGAGCTGGCCGAGTTTGCCCGCTTGCCAGGACAGTGGACCACAGAGGGGACCATTCTCTAACAC
CGGGCACCCACTATGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC023149
Insert Size: 720 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<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:	BC023149 , AAH23149
RefSeq Size:	1675 bp
RefSeq ORF:	719 bp
Locus ID:	109305
Cytogenetics:	5 F
Gene Summary:	Ca(2+) release-activated Ca(2+) (CRAC) channel subunit which mediates Ca(2+) influx following depletion of intracellular Ca(2+) stores and channel activation by the Ca(2+) sensor, STIM1. CRAC channels are the main pathway for Ca(2+) influx in T-cells and promote the immune response to pathogens by activating the transcription factor NFAT.[UniProtKB/Swiss-Prot Function]