

Product datasheet for RN214248

Tmem178a (NM_001004282) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem178a (NM_001004282) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmem178a
Synonyms:	Tmem178
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214248 representing NM_001004282 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCCACGGGCGCTCGTCACGGCGCTAAGCCTCGGCCTCAGCCTTTGCTCCCTGGGGCTGCTCGTCA
CGGCCATCTTCACCGATCACTGGTACGAGACCGACCCCGGCCACAAGGAGAGCTGCGAGCGCAGCCG
CGCGGGCGCCGACCCCGGATCAGAAGAACCCTGATGCCGCTGTCGACCTGCCGCTGCGGGACTCG
CCTCCCTGGGGCGCCGGCTGCTCCCGCGGCCCTGGGGCTCTGACCCGGAGTCTGGCGCTCGTGC
TGGGGCTCGGTGGTTGGACGCCGAGTGTGGCCGGCCGCTGTTGCCACCTACTCCGGCCTCTGGAGGAA
GTGCTACTTCTGGGCATCGACCGGACATCGACACCCTCATCCTGAAAGGATTGCACAGCGATGCACT
GCGGTCAAGTACCACTTCTCTCAGCCAATCCGCTTACGGAACATTCCTTTCAATTAACCAAGATAATCC
AGCAAGATGAATGGCACCTGCTTCATCTAAGAAGAATAACAGCTGGATTCTGGGCATGGCGGTGGCTGT
CCTGCTGTGTGGCTGCATCGTGGCCACGGTCAGCTTCTTCTGGGAGGAAAGCCTGACCCAGCACGTGGCT
GGACTCCTATTCCTCATGACAGGGATATTTGCACCATCTCACTGACGTACGCTGCCAGCGTCTCCT
ATGATTTGAACCGGGTCCCAAAGCTAATTTACAGCCTGCCTCATGATGTGGAACATGGCTACAGCTGGTC
TATCTTCTGCGCCTGGTGCAGTTTAGGCTTTATGTGGCAGCTGGAGTCTCTGCATCGCTTATCCGTTT
ATTAGCCGGACCAAGATTGCACATCTAAAGTCTGGCAGGGACTCCACGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001004282
Insert Size:	894 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:	<u>NM_001004282.1</u> , <u>NP_001004282.1</u>
RefSeq Size:	1668 bp
RefSeq ORF:	894 bp
Locus ID:	362691
UniProt ID:	<u>Q68FV0</u>
Cytogenetics:	6q11
Gene Summary:	Acts as a negative regulator of osteoclast differentiation in basal and inflammatory conditions by regulating TNFSF11-induced Ca (2+) fluxes, thereby controlling the induction of NFATC1. [UniProtKB/Swiss-Prot Function]