

Product datasheet for MC206930

Tmem110 (BC024583) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem110 (BC024583) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem110
Synonyms:	1810038N08Rik; 2310014H19Rik; AW554125; STIMATE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206930 representing BC024583. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGCTGCTCATTTATGTGGCGTACGCGCGTCGGTGTCTTGGTGGAGTGGCAGCAGTGGGAATCCCTG
 CGTTTTGGAGAATATGGAGACCCTCTGCAGTGCAGGGCCCTGGGTAGGACAGTGCGCCCTCTACATCGTG
 ATCATGATCTTTGAAAAGTCCGTGGTCTTCATCGTCCTCCTCATACTCCAATGGAAAAGGTGGCCCTA
 TTGAATCCAATTGAAAACCCGACCTGAAGCTGGCCATCGTCATGCTGATAGTCCCCTTCTTTGTCAAT
 GCTTTCATGTTCTGGGTAGTGGACAATTCCTCATGAGAAAGGGAAGACGAAAGCTAACTAGAAGAA
 AGAGGAGCCAACCAGGACTCAAGGAATGGAGCAAGGTTTCGTACCGAAGGGCAGCATCCCATGAGGAG
 TCTGAGTCTGAGATCCTGATCTCAGCTGACGACGAGATGGAGGAGTCTGACGCCGAGGAGACCTCCGG
 AGACCTGTGAAAAGAAGCACCGCTTCGGGCTGCCTGTATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	BC024583
Insert Size:	525 bp
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).


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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC024583</u>
RefSeq Size:	1196 bp
RefSeq ORF:	524 bp
Locus ID:	69179
Cytogenetics:	14 B
MW:	20.1 kDa
Gene Summary:	Acts as a regulator of store-operated Ca(2+) entry (SOCE) at junctional sites that connect the endoplasmic reticulum (ER) and plasma membrane (PM), called ER-plasma membrane (ER-PM) junction or cortical ER. SOCE is a Ca(2+) influx following depletion of intracellular Ca(2+) stores. Acts by interacting with STIM1, promoting STIM1 conformational switch. Involved in STIM1 relocalization to ER-PM junctions. Contributes to the maintenance and reorganization of store-dependent ER-PM junctions.[UniProtKB/Swiss-Prot Function]