

Product datasheet for **SC319442**

Transmembrane Protein 175 (TMEM175) (NM_032326) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Transmembrane Protein 175 (TMEM175) (NM_032326) Human Untagged Clone
Tag:	Tag Free
Symbol:	Transmembrane Protein 175
Synonyms:	hTMEM175
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032326.2
 CAAGCTCCCGCCGGGCTGACTCAAGCGGAGGCGCGGGAACAGTCGCCGAGGCGATTCC
 CGCCAGGCTCCTGTAACCGCCAGGCAGCGGCCCGCCATGTCCCAGCCCGGACCCAG
 AGCAGGCACTGGATACACCGGGGACTGCCCCCAGGCAGGAGAGACGAGGACGCTGGGG
 AGGGGATCCAGTGTCCCAACGCATGCTCAGCTTCACTGACGCCCTGCTGCCATCATCG
 CCACCGTCATGATCCTGCCTGTGACCCACACGGAGATCTCCCAGAACAGCAGTTCGACA
 GAAGTGTACAGAGGCTTCTGGCAACACGGATTGCCGTCTACCTGATGACCTTTCTCATCG
 TGACAGTGGCCTGGGACGACACACAAGTTGTTCCAAGTTGTTGGGAAAACAGACGACA
 CACTTGCCCTGCTCAACCTGGCCTGCATGATGACCATCACCTTCTGCCTTACACGTTTT
 CGTTAATGGTGACCTTCCTGATGTGCCTCTGGGCATCTTCTTGTCTGTGTGTGTGA
 TCGCCATCGGGTCTGTCAGGCACTGATTGTGGGTACGCATTCCACTTCCCGACCTGC
 TGAGCCCGCAGATCCAGCGCTCTGCCACAGGGCTCTGTACCGACGACACGCTCTGGCA
 TCGTCTCCAAGGCCCGCCCTGTGCTTTCAGCGGCCATCTTCTCTCTTCTTGTCC
 CCTTGTCTTACCTGCTGATGGTACTGTCATCCTCCTCCCCTATGTCAGCAAGGTCACCG
 GCTGGTGCAGAGACAGGCTCCTGGGCCACAGGGAGCCCTCGGCTCACCCAGTGAAGTCT
 TCTCGTTTGACCTCCACGAGCCACTCAGCAAGGAGCGCGTGAAGCCTTACGCGACGGAG
 TCTACGCCATCGTGGCCACGCTTCTCATCCTGGACATCTGCGAAGACAACGTCCCGGACC
 CCAAGGATGTGAAGGAGAGGTTACGCGGCAGCCTCGTGGCCGCCCTGAGTGCACCGGGC
 CGCGCTTCTGGCGTACTTCGGCTCCTTCGCCACAGTGGGACTGCTGTGGTTTCGCCACC
 ACTCACTTCTCCTGCATGTGCGCAAGGCCACGCGGGCCATGGGGTGTGAACACGCTCT
 CGCTGGCCTTTCGTGGTGGCCTCCCACTAGCCTACCAGCAGACCTCGGCCTTCGCCGGC
 AGCCCCGCGATGAGCTGGAGCGCGTGCCTGTGACCTGCACCATCATCTTCTGGCCAGCA
 TCTTCCAGCTGGCCATGTGGACCACGGCGCTGTCACCCAGGCGGAGACGCTGCAGCCCT
 CGGTGTGGTTTGGCGGCCGGGAGCATGTGCTCATGTTCCGCAAGCTGGCGCTGTACCCCT
 GTGCCAGCCTGCTGGCCTTCGCCTCCACCTGCCTGCTGAGCAGGTTCAAGTGTGGCATCT
 TCCACCTCATGCAGATCGCCGTGCCCTGCGCCTTCTGTTGCTGCGCCTGCTCGTGGCC
 TGGCCCTGGCCACCCTGCGGGTCTGCGGGGCTCGCCCGGCCGAACACCCCCCGCCAG
 CCCCCACGGGCCAGGACGACCCACAGTCCAGCTCCTCCCTGCCCTGCTAGCAGCCAC
 AGAGCCCACTCCAGCCGCTCCTACCAGAGATGGACCAGGGAGGACAGGATGCTGGCGAG
 GGAAGCCAAGTACGGGCAGGCCGAGTGGTTCTTGCCTGGCCTGGTTTTATTTTCATT
 GTGAAATATCATGCTCTTATTTAGTCCCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_032326

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).

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).

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_032326.2 , NP_115702.1
RefSeq Size:	1809 bp
RefSeq ORF:	1515 bp
Locus ID:	84286
UniProt ID:	Q9BSA9
Cytogenetics:	4p16.3
Protein Families:	Transmembrane
Gene Summary:	<p>Organelle-specific potassium channel specifically responsible for potassium conductance in endosomes and lysosomes. Forms a potassium-permeable leak-like channel, which regulates luminal pH stability and is required for autophagosome-lysosome fusion. Constitutes the major lysosomal potassium channel.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>