

Product datasheet for **SC108719**

TMEM63A (NM_014698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM63A (NM_014698) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM63A
Synonyms:	HLD19; KIAA0792
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108719 sequence for NM_014698 edited (data generated by NextGen Sequencing)

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ATGATGGACTCCCCGTTCTGGAGCTGTGGCAGTCCAAGGCAGTGTCCATCAGGGAGCAG
CTGGGACTCGGGGACCGGCCAACGACTCCTATTGCTACAACCTCGGCCAAAAACAGCACC
GTGCTCCAGGGGGTACACCTTTGGTGGCATCCCCACTGTCTGCTCATAGACGTGAGCTGC
TTCCTGTTCTTAATCTTGGTGTCTTCTATTATAAGAAGAAGATTCTGGGACTATGGCCGC
ATTGCCCTGGTGTGAGAAGCAGACAGCGAGTCCAGATTTTCAGAGATTGTCATCGACTTCC
TCCTCAGGTCAACAAGACTTTGAAAATGAGCTGGGATGCTGTCCCTGGCTGACTGCCATC
TTCCTGTGCATGATGACCAGATCCTGGAATGGTGTGGGAGGACGCCATCCACTACCTG
TCCTTCCAGAGGCACATCATCTTCTGTTGGTGGTGGTGCAGTTTTTGTCCCTGTGTGTC
ATCCTGCCTGTCAACCTCTCAGGGGACTTGTGGACAAAGACCCGTATAGTTTTGGGAGG
ACAACAATAGCAAACCTACAGACTGACAATGACCTCCTTTGGCTGCACACCATCTTTGCT
GTCATTTACCTCTTCTCACTGTGGGTTTCATGCGGCACCACACTCAGTCCATTAAGTAC
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GGTCTCACCAGTCTAGATTTTTTCTTCCGGTGGCTCTTTGACAAAACCTCCTCGGAGGCC
TCCATCAGGTTGGAGTGGCTCTTCTGCCTGACCAGGGTGCCTTCTTTGTGAACATATGTC
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TATACCTTCCGCATGATCATGGCCAAGACGGCTGCTGACCGCAGGAATGTCAAGCAGAAC
CAGGCCTTCCAGTACGAGTTTGGAGCCATGTATGCATGGATGCTGTGTCTTCACTGTC
ATCGTGGCCTACAGCATCACTTGTCCCATCATCGCGCCATTTGGCCTCATCTACATCCTG
CTCAAGCAGATGGTGGACCGGCACAACCTCTACTTCGTCTACCTCCCAGCCAAGCTGGAG
AAGGGGATCCACTTTGCCGCTGTGAACCAGGCCTTGGCAGCCCCCATCTGTGCCTCTTC
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TTCCTGGTGTGCTGCTCACCATCCTGGTCTGCCTGGCTCACACCTGCTTTGGATGCTTC
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GCAGAGGCCACATGCCCCACCGTTTACACCCTACGTGCCTCGGATTCTGAACGGCTTG
GCCTCGGAGAGGACAGCACTGTCTCCGACGAGCAGCAGCAGCAGACCTATGGTGCCATC
CACAAATCAGCGGGACTATCCCTGGACAGTGTGGCGCAGAGCGCCACGGGCAGTGTG
GCTGCTGCCCCCAGGAGGCCTGA
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Clone variation with respect to NM_014698.2

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014698 unedited NGGCGTCACATTTGTATACGACTTACTATAGGCGGCCGCGAATTCGCACGAGGCCGCGCT GCTGGGTCCCAGAAACGCCGCCGCCGAGGAAAGTCTACAGTTTGGTACCCAGGA CTCGCTGGTCAGGAAAGCCCTGCAGGACATGAGTGTTAGGCCGACGCCTGGCCCTTGGC AGCTTGGGAGGTGGCTGGGGCTGCTTTTGCCTTTGCCAGAGACAGCTCCAAGTGGAGACC TCTCCAACGGGCCATCCACAGTCTTCCCTCCCTAGTGTCTGGGAAGACAGGCCGCGAT GATGGACTCCCCGTTTCTGGAGCTGTGGCAGTCCAAGGCAGTGTCCATCAGGGAGCAGCT GGGACTCGGGGACCGCCCAACGACTCCTATTGCTACAACCTCGGCCAAAAACAGCACCGT GCTCCAGGGGTACCTTTGGTGGCATCCCCACTGTCCTGCTCATAGACGTCAGCTGCTT CCTGTTCTTAATCTTGGTGTCTTCTATTATAAGAAGAAGATTCTGGGACTATGGCCGCAT TGCCCTGGTGTGAGAAGCAGACAGCGAGTCCAGATTTAGAGATTGTCATCGACTTCCTC CTCAGGTCAACAAGACTTTGAAATGAGCTGGGATGCTGTCCCTGGTGACTGCCATCTT CCGTCTGCATGATGACCAGATCCTGGAATGGTGTGNNGGAGGACGCCATCCACTACCTGT CCTTCCAGAGGCACATCATCTTCTGTTGGTGGTGGTCAGCTTTTGTCCCTGTGTGTCA TCCTGCCTGTCAACCTCTCAGGGGACTTGTGGACAAAGACCCGTATAGTTTTGGGAGGA CAACATAGCAAACCTACAGACTGACAATGACCTCCTTTGGCTGCACACCATCTTTGCTGT CATTTACCTTCTCCTACTGTGGGGT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014698 unedited CCGCGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT CATCTCTCTCCATATATTCTCCCGACTCATCAGTTTGGGGGGCGAAAAGTCCACCAC ATGGTCTTGGCGACAAACCACTGGGGATGTCACCCAGCTGCAAAGCTGGAAGCTTGTGC CGGAGGGGAAACTGGGTGAACAAGGAGGGGCGAGGCCTGCCTGTGCTCTCTCACCAC GCTGGGACAAAAAAGATGGGCACCTGATAGCTCAGCTGGGCAGTCCCAACGCATTCCCA CTCAGCCAAGGGCCTGAGCCCCAGGCCATTCTGGTTGGGTCTTTCAAAGCAGTGAGACC CATCTCAGGCCTCCTGGGGGCAACAGCCACACTGCCCGTGGGGCTCTGCGCCAAGCAC TGCCCAGGGATAGTCCCCTGATGTTGGGGATGGCACCATAAGTCTGCTGCTGCTGCTG TGCGGAAACAGTGTCTCTTTTCGAGCCACCCGTTACAATCCGAGGCACCTAGGGTG TGAACCGTGGGGCATGGGGCCTTGCCTCACTTCTTTGCAACTTGAAGGTTCTTCTG TTTTGATTCTAAAGGGGCTGAGGGCCTTAAACCTCCCAAATAGGGTGGAGGCCTTCTC CCTGCATGGGCTCCTTTCCCCCCCCGAAAGTGAACACATCGGGGGGGCCCTTACCCCC CGCCCCGACTGAAAATATTCTCTCTTTTAAAGACTCTGATCGNGGTCTTATAAAGGCT GTCTCAACTGCAACATGGCGTCCATTTTCAACTTGGTGGGAACTTTCACAATCAAGGTCT TCCCTCAATTCTCTCCCTCACCAGTACTACCAGCTCCATTCTCCCTTAGATCATT ATCTCTCTCTCTCTACCTTTTATACCTCTTTTCTT</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_014698
Insert Size:	3000 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).
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:

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_014698.1](#), [NP_055513.1](#)

RefSeq Size: 4074 bp

RefSeq ORF: 2424 bp

Locus ID: 9725

UniProt ID: [O94886](#)

Cytogenetics: 1q42.12

Domains: DUF221

Protein Families: Transmembrane

Gene Summary: Acts as an osmosensitive calcium-permeable cation channel.[UniProtKB/Swiss-Prot Function]