

Product datasheet for **SC324187**

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: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014698.1
CGGAACACGCCCCGCGCTGCTGGGTCCCGCCAGACACGCCGCCGCGCAGGAAAGTCTAC
AGTTTGGTACCCAGGACTCGCTGGTCAGGAAAGCCCTGCAGGACATGAGTGTTAGGCC
GACGCTGGCCCTTGGCAGCTTGGGAGGTGGCTGGGGCTGCTTTTGCCTTTGCCAGAGAC
AGCTCCAAGTGGGACCTCTCCAACGGGCCATCCACAGTCTTCTTCCCTAGTGCT
GGGAAGACAGGCGGATGATGGACTCCCGTTCCTGGAGCTGTGGCAGTCCAAGGCAAGT
TCCATCAGGGAGCAGCTGGGACTCGGGACCGGCCAACGACTCTATTGCTACAACG
GCCAAAAACAGCACCGTCTCCAGGGGTACCTTTGGTGGCATCCCACTGTCTGCTC
ATAGAGCTCAGCTGCTTCTTCTTAATCTTGGTGTCTTATTATAAGAAGAAGATTC
TGGGACTATGGCCGATTGCCCTGGTGTGAGAAGCAGACAGCGAGTCCAGATTTAGAGA
TTGTCATCGACTTCTCCTCAGGTCAACAAGACTTTGAAAATGAGCTGGGATGCTGTCCC
TGGCTGACTGCCATCTTCCGCTGCATGATGACCAGATCCTGGAATGGTGTGGGAGGAC
GCCATCCACTACCTGTCTTCCAGAGGCACATCATCTTCTGTTGGTGGTGGTACGCTTT
TTGTCCCTGTGTGCATCCTGCCTGTCAACCTCTCAGGGGACTTGTGGACAAAGACCCG
TATAGTTTTGGGAGGACAACAATAGCAAACCTACAGACTGACAAATGACCTCCTTTGGCTG
CACACCATCTTTGCTGTCAATTTACCTCTTCTCACTGTGGGTTTCATGCGGCACCACT
CAGTCCATTAAGTACAAAGAGGAGAACCTGGTGGGCGGACCCTGTTTCATCACAGGACTC
CCCAGAGATGCCAGGAAGGAGACTGTGGAGAGCCACTTCCGGGACGCGTATCCCACGTGT
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ACAGAGGAAGAACGCCACGTCCAGGACCAGCCCTGGGAATGGCCTTCGTACCTTCCAG
GAGAAGTCCATGGCCACCTACATCCTGAAAGATTTCAATGCCTGCAAGTGTGAGCCTT
CAGTGCAAAGGTGAGCCCCAGCCGCTCCCATAGCAGGGAGCTCTATACCTCCAAGTGG
ACAGTCACCTTTGCTGCTGACCTGAGGACATCTGCTGGAAGAACCTCTATCCAGGGC
CTCCGCTGGTGGCTACAGTGGCTGGGCATCAACTCACCTCTTCTGGGCTATTTTTT



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CTGACCACACCCTCCATCATCCTGTCCACCATGGACAAGTTTAAATGTCACCAAACCCATC
CATGCGCTGAATAACCCGATCATCAGCCAGTTCTTCCCCACCCTCCTGCTCTGGTCTTC
TCGGCCCTGCTCCCCTCCATTGTCTACTACTCTACACTGCTGGAGTCTCACTGGACCAAG
TCGGGGGAAAACCAGATCATGATGACCAAAGTCTACATATTCTTGATCTTCATGGTGCTG
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ACTTCCTCGGAGGCCTCCATCAGGTTGGAGTGGCTCTTCTGCTGACCAGGGTGCCTTC
TTTGGAACATATGCATCGCCTCGGCCTCATCGGCAATGGCATGGAGCTGCTGCGGCTG
CCAGGTCTCATCCTCTATACCTTCCGCATGATCATGGCCAAGACGGCTGCTGACCGCAGG
AATGTCAAGCAGAACCAGGCCTTCCAGTACGAGTTTGGAGCCATGTATGCATGGATGCTG
TGTGTCTTCACTGTCATCGTGGCCTACAGCATCACTTGTCCCATCATCGCGCCATTTGGC
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CCAGCCAAGCTGGAGAAGGGGATCCACTTTGCCGCTGTGAACCAGGCCTTGGCAGCCCC
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CTGCAGCTGGGGTGACATCCCCAGTGGTTTGTGCCAAGACCATGTGGTGGACTTTTCGC
CCCCAAACTGATGAGTCCGGGAGAATATATGGAGAGAGAGATGTAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_014698
- 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:**
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]