

Product datasheet for **SC319704**

TMEM138 (NM_016464) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM138 (NM_016464) Human Untagged Clone
Tag: Tag Free
Symbol: TMEM138
Synonyms: HSPC196
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_016464.2
GATGTCCGCATGACAACCGACGTTGGAGTTTGGAGGTGCTTGCCCTTAGAGCAAGGAAAC
AGCTCTCATTCAAAGGAAGTACAAGCCTCTCCCTCAGTGGCAGGGAGACAGCCAGGAGCG
GTTTTCTGGGAACTGTGGGATGTGCCCTTGGGGGCCGAGAAAACAGAAGGAAGATGCTC
CAGACCAGTAACACAGCCTGGTCTCTCTGACGTTCCCTGCTGCTGTCTATGACCTC
TTTGTCAATTCCTTCTCAGAAGTCTCCAAAAGACTCCTGTCATCCAGCTTGTGCTCTT
ATCATCCAGGATATTGCAGTCTCTTCAACATCATCATATTTTCTCATGTTCTTCAAC
ACCTTCGTCTTCCAGGCTGGCCTGGTCAACCTCCTATTCCATAAGTTCAAAGGGACCATC
ATCCTGACAGCTGTGACTTTGCCCTCAGCATCTCCCTTCATGTCTGGGTCATGAACCTA
CGCTGGAAAACTCCAACAGCTTCATATGGACAGATGGACTTCAAATGCTGTTTGTATTC
CAGAGACTAGCAGCAGTGTGTACTGCTACTTCTATAAACGGACAGCCGTAAGACTAGGC
GATCCTCACTTCTACCAGGACTCTTGTGGCTGCGCAAGGAGTTTCATGCAAGTTCGAAGG
TGACCTCTTGTCACACTGATGGATACTTTTCTTCTGATAGAAGCCACATTTGCTGCTT
TGCAGGGAGAGTTGGCCCTATGCATGGGCAACAGCTGGACTTTTCAAAGGAAGGTTTCAAG
CTAGCTGTGTTTCAAGATTCAGAAGGAAGATCCTCCCTTGCACAATTAGAGTGTCCCC
ATCGGTCTCCAGTGGCGCATCCCTTCTTGCCTTCTACCTCTGTTCCACCCCTTTTCTT
CCTTTCTCTCTGTACCATTCATTCTCCCTGACCGGCTTTCTTGCCGAGGGTTCTGTGG
CTCTTACCCTTGTGAAGCTTTTCTTTAGCCTGGGACAGAAGGACCTCCAGCCCCAAA
GGATCTCCAGTGACCAAAGGATGCGAAGAGTGATAGTTACGTGCTCCTGACTGATCACA
CCGCAGACATTTAGATTTTATACCCAAGGCACCTTAAAAAATGTTTTATAAATAGAGA
ATAAATTGAATCTTGTCTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_016464



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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).
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:	<u>NM_016464.2</u> , <u>NP_057548.1</u>
RefSeq Size:	1193 bp
RefSeq ORF:	489 bp
Locus ID:	51524
UniProt ID:	<u>Q9NPI0</u>
Cytogenetics:	11q12.2
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a multi-pass transmembrane protein. Reduced expression of this gene in mouse fibroblasts causes short cilia and failure of ciliogenesis. Expression of this gene is tightly coordinated with expression of the neighboring gene TMEM216. Mutations in this gene are associated with the autosomal recessive neurodevelopmental disorder Joubert Syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.</p>