

Product datasheet for **SC124909**

TMEM37 (NM_183240) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM37 (NM_183240) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM37
Synonyms:	PR; PR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124909 sequence for NM_183240 edited (data generated by NextGen Sequencing) ATGACTGCCGTCCGGCTGCAGGCCAGAGCCCTTTGGGCCAAAGGCAGCCCCGCCGGTCC TTCTTTGAATCCTTCATCCGACCCTCATCATCAGTGTGTGGCCCTGGCTGTGGTCCTG TCCTCGGTCTCCATTTGTGATGGGCACTGGCTCCTGGCTGAGGACCGCCTCTTCGGGCTC TGGCACTTCTGCACCACCACCAACCAGACGATCTGCTTCAGAGACCTGGGCCAGGCCCAT GTGCCCCGGCTGGCCGTGGGCATGGGCCTGGTACGCAGCGTGGGCGCCTTGGCCGTGGT GCCGCCATTTTGGCCTGGAGTTCCTCATGGTGTCCCAGTTGTGCGAGGACAAACACTCA CAGTGCAAGTGGGTCATGGGTTCCATCCTCCTCCTGGTGTCTTCGTCTCTCCTCCGGC GGGCTCCTGGGTTTTGTGATCCTCCTCAGGAACCAAGTCACACTCATCGGCTTCACCTA ATGTTTTGGTGCGAATTCAGTGCCTCCTCCTCCTCCTCCTGAACGCCATCAGCGGCCTT CACATCAACAGCATCACCCATCCCTGGGAATGA Clone variation with respect to NM_183240.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_183240 unedited <pre> ATTTTGTAAATACGAGAGACTATAGGGCGGCCGGAATTCGGCACCAGGGCCGCCGGGCGC AGCATGACTGCCGTCGGCGTGCAGGCCAGAGGCCTTTGGGCCAAAGGCAGCCCCGCCGG TCCTTCTTTGAATCCTTCATCCGGACCTCATCATCACGTGTGTGGCCCTGGCTGTGGTC CTGTCTCGGTCTCCATTTGTGATGGGCACTGGCTCCTGGCTGAGGACCGCTCTTCGGG CTCTGGCACTTCTGCACCACCAACCAACAGACGATCTGCTTCAGAGACCTGGGCCAGGCC CATGTGCCCGGGCTGGCCGTGGGCATGGGCCTGGTACGCAGCGTGGGCGCCTTGGCCGTG GTGGCCGCCATTTTGGCCTGGAGTTCCCTCATGGTGTCCAGTTGTGCGAGGACAAACAC TCACAGTGCAAGTGGGTATGGGTTCATCCTCCTCCTGGTGTCTTTCTCCTCCCTC CGGGGGGGCTTCTGGGTTTTTGGGATTCTCCTCAAGAACCAAGTCACACTTCATCGCT TCACCCTAATGTTTTGTGCGATTTATTGCCTCCTTCTTCTTCTGATCGCCATCA GCGGCCTTTACATCAACAGCATACCCATCCCTGGGAATGACCGGGAATTTTATGCCCC CTCCAGGGCATTAGATTATAAGAAAATATGGCTCAAATGGGATTTTCCAGATTGTGCC TTTGGAGCGCTGGTTTGAACAGAGACCTTCN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_183240
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	<u>NM_183240.1, NP_899063.1</u>
RefSeq Size:	579 bp
RefSeq ORF:	579 bp
Locus ID:	140738
UniProt ID:	<u>Q8WXS4</u>

Cytogenetics:	2q14.2
Protein Families:	Transmembrane
Gene Summary:	Thought to stabilize the calcium channel in an inactivated (closed) state. Modulates calcium current when coexpressed with CACNA1G (By similarity).[UniProtKB/Swiss-Prot Function]