

Product datasheet for **SC122542**

TMEM146 (CATSPERD) (BC031233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM146 (CATSPERD) (BC031233) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM146
Synonyms:	4933402B14Rik; AW045609; MGC39581; transmembrane protein 146
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC031233 edited

GAGATTACGCCACTGCACCCCAACCTGGGCGACAGAGCCAGACTCTGTCTCAAAAAAAAAA
AAGAAACAGAAAGAGGTCAGGCGCAGTGGCTCACAACCTCAAGCACTTTGGGAG
GCCGAGATGGAAGGATCACTTGTGCCAGGAATTTGGGACCAGCGTGGCAACATAATAGA
GTTTCTGACAGGAGAATTTATATACAGGATGTATACCATTGACATGCACAGCCAGCTGGA
ATTGACTGCTTCGTTGATACCCAGCCAGGCACATCCCTGATTCTCTGGTGATGGTGAG
CAACCCCACTCCCTGGGGTTCAGGCCACCTTCTACGAGAACGGTTACACATCAGATGG
GAACACCAAGTACAACTGGATATTTTCCTAAAACAGCAGCAGCACTGGGGCAGGACCGA
CTCCAACCTTCACTTCCAGTTTAAAGAAAGCCACCATGTCTACCTAACTGTGGACATAGC
AAACAAGGAAATTCATGTGTGGATATCAAGCCACTGTGACACTGATTTCAAGTTGGCTG
CGACCTGGATAAAAAGATCGTCATCCAGAACAAAGTTTCGGCCTGTTCCATGGGCATCCT
GGACCCCTTGACCCTGCAAGACAATTACAGCTTCATCATCGAGAAGGAATTCTACGACCC
CGGCTTCCAGGGGAGCAGTCTCCGAGGACCTGCACGTGTTTTACTCCTACCAGCAGCT
GGGCTGTCTCTCTCTGCTACTATGACACCCTATGGAAGCCCGTGGTGGAGCTGTGGCG
AAAAGACAGTTTTCCAGGAGGTCAATCGACGCCGAGTATGTGTTACTGGAGGTGAACGGGCA
GTTCTCACTCCTATTCCTGACGGCCAGTCGGCCATGTGTACCTCCCAGCCGAGAA
CTGGACCACCATGATAAAGGAATTCGGGGGGCCCTTCTTCTGGAACAGAGAGAACTATGT
GAGCTGCCACGACCCCAACAACATGCCCTTTGAGGTGGCCAGACGTCCAGTATCAGAT
CTTGGGCGGCCGACAGCAAACAGATCATTTTCGGCCACAATGGCTTTTATGTCTTCTA
CATTTTCGATCGTGGATCCGTAATACAGCTACTGTCAACTGGAGACCATCTTTAGCATCTA
CGTGTATGGAGCATTCCCGTGCAGCTGGTCTCTGCTGGAGTCGTCATCTACTGATCAT
CTCCAGCATCCTGGGGTCCGTTTGGCTGGCCTACAAGACCCCAAGCTGTACGCACAGC
ACGCGGCCGAGGATCAAGAAGTGTGCGACACAGCTGTGTAGGAGATGCAAGACGGTCTG
CCAGTTCAAGGCTCAGCCACAGCCAGGGCAGGCACAGAGCCCCGGGACGCCACGGCAC
TCCTCACGGAGGCAGGTCTGACCACTGAGGCCGGTCCACAGGGTCCCAACCCCTTGCTT
CAAATAAAGTATAATGTAACATAGCAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC031233 unedited <pre> NCCCAGTTCGCATTTGTATACGATTATATAGGCGGCCGCATAACTTCGTATAGCATACAT TATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGAGAT TACGCCACTGCACCCCAACCTGGGCGACAGAGCCAGACTCTGTCTCAAAAAAAAAAAGAA ACAGAAAGAGGTCAGGCGCAGTGGCTCACAACTGTAACCTCAAGCACTTTGGGAGGCCGA GATGGAAGGATCACTTGTGCCAGGAATTTGGGACCAGCGTGGCAACATAATAGAGTTTC TGACAGGAGAATTTATATACAGGATGTATACCATGACATGCACAGCCAGCTGGAATTGA CTGCTTCGTTGATACCCAGCCAGGCACATCCCTGATTCTCTGGTGATGGTGAGCAACC CCCACTCCCTGGGGTTCCAGGCCACCTTCTACGAGAACGGTTACACATCAGATGGGAACA CCAAGTACAACTGGATATTTTCTAAAACAGCAGCAGCACTGGGGCAGGACCGACTCCA ACTTCACTTCCAGTTTAAAGAAAGCCACCATGTCTACCTTAAGTGGACATAGCAAACA AGGAAATTTTCATGTGGATATCAAGCCACTGTCGACACTGATTCAGTTGGCTGCGACC TGGATAAAAGATCGTCATCCAGAACANAGTTTCGGCCTGTTCCATGGGCATCCTGGACC CCTTGACCCTGCAAGACAATTACAGCTTCATCATCGAGAAGGAATTCTACGACCCCGGCT TCCAGGGGCGAGCAGTCTCCGAGGACCTGCCCGTGTCTTACTCCTACCAGCAGCTGGGCT GTCCTCTCCTCGTCTACTATGACACCCTATGGAACCCGTTGGTGAGCTGG </pre>
Restriction Sites:	Please inquire
ACCN:	BC031233
Insert Size:	4700 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:	BC031233.1 , AAH31233.2
RefSeq Size:	1480 bp
Locus ID:	257062
Cytogenetics:	19p13.3
Protein Families:	Transmembrane
Gene Summary:	Auxiliary component of the CatSper complex, a complex involved in sperm cell hyperactivation. Sperm cell hyperactivation is needed for sperm motility which is essential late in the preparation of sperm for fertilization. Required for CATSPER1 stability before intraflagellar transport and/or incorporation of the CatSper complex channel into the flagellar membrane.[UniProtKB/Swiss-Prot Function]