

Product datasheet for **SC209096**

TMEM49 (VMP1) (NM_030938) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	TMEM49
Synonyms:	EPG3; TANGO5; TMEM49
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_030938
Insert Size:	2000 bp



Insert Sequence:

>SC209096 3'UTR clone of NM_030938

The sequence shown below is from the reference sequence of NM_030938. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CGGTTGAACCTCAGAGGAGAAAACTAAATAGTAGAGAAAGTTTAACTGCAGAAATTGGAGTGGATGG
GTTCTGCCTTAAATTGGGAGGACTCCAAGCCGGGAAGGAAATTCCTTTTCCAACCTGTATCAATTTT
TACAACTTTTTTCTGAAAGCAGTTTAGTCCATACTTTGCACTGACATACTTTTCTTCTGTGCTAAG
GTAAGGTATCCACCCTCGATGCAATCCACCTTGTTTTCTTAGGGTGGAAATGTGATGTTTCAGCAGCAA
ACTTGCAACAGACTGGCCTTCTGTTTGTACTTTCAAAAGGCCACATGATACAATTAGAGAATCCCA
CCGCACAAAAAAGTTCCTAAGTATGTTAAATATGTCAAGCTTTTAGGCTTGTCACAAATGATTGCTT
TGTTTTCTAAGTCATCAAAATGTATATAAATTATCTAGATTGGATAACAGTCTTGCAATGTTTATCATG
TTACAATTTAATATTCATCTGCCAACCTTCTCTCCCATCTCAAAAAAGGCCATTTTATGATG
CATTGCACACCCTCTGGGGAATGATCTTTAAATTTTGAAGACAGTATAAGGAAATCTGGTTGGTGTC
TTACAAGTGAGCTGACACCATTTTTATTCTGTGTATTTAGAATGAAGTCTTGAAGGAACTTTATAAA
GACATCTTTAATCATTCAAAAATTGTGTCGGTTTTCTTGAGCGTTTTGATTTTTACTTTTAGCTTATA
CCAGCTGAATGGCAGCCTTGCTTAATCCACCTACAACAAGAATTTCTTAAGCTTTCTTTTATTGTCATG
AGAGAGCCCACTACCAAGGCATGTTTTGTTATGCTGAAACTGGGCTGCTGCATACTGCTAAATGGCACCT
CTGGGATTGGCCTACCTGGGGATTTCTTGTTTTGTGAAACAGGAGAGGAGAAATATCTCATACAAGTG
AAAGGATACTGGAGAGAGAAATTACCCATTTCTAAAAAAAACCACTCTGTCGTATCTGTGTTAATG
TTTTCTAGCATGTACTCTGGTTTCAACAGACACAAATTTATATGTTAACCCAGTTTTCTTGCCGTTCTG
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TGCTTGGGAGGAAATAACAATTTTACTTTTTCTTTAGGAGCATTATGAGCATTATGTCAGAATAG
AATAGAATTGGGGTTCGATCTTAACAGGCCAGAAATGCCTGGGTTTTTTGGTTTTGTTTTGTTTTGT
TTTTTTATCAAAATCCTGCCTGACTGTCTGCTTGTGCTTACCATCGTGACATCTCCATGGCTGTACC
ACCTTGTGCGGTAGCTTATCAGACTGATGTTGACTGTTGAATCTCATGGCAACACCAAGTCGATGGGCTG
TCTGACATTTTGGTATCTTTCATCTGACCATCCATATCCAATGTTCTCATTTAAACATTACCCAGCATC
ATTGTTTATAATCAGAACTCTGGTCTTCTGCTGGTGGCACTTAGAGTCTTTTGCCATAATGCAG
CAGTATGGAGGGAGGATTTTATGGAGAAATGGGATAGTCTTCATGACCACAAATAAATAAGGAAAAC
TAAGCTGCATTGTGGGTTTTGAAAAGGTTATTATACTTCTTAACAATTCTTTTTTTCAGGGACTTTTCT
AGCTGTATGACTGTTACTTGACCTTCTTTGAAAAGCATTCCCAAAATGCTCTATTTTAGATAGATTAAC
ATTAACCAACATAATTTTTTTTAGATCGAGTCAGCATAAATTTCTAAGTCAGCCTCTAGTCGTGGTTCA
TCTCTTTCACCTGCATTTTATTTGGTGTGTTGCTGAAGAAAGGAAAGAGGAAAGCAAAATACGAATTGTA
CTATTTGTACCAAAATCTTTGGGATTCAATGGCAAAATAATTTCAAGTGTGGTGTATTATTAATAAGAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_030938.5

Summary: This gene encodes a transmembrane protein that plays a key regulatory role in the process of autophagy. The ectopic overexpression of the encoded protein in cultured cells triggers autophagy even under nutrient-rich conditions. This gene is overexpressed in pancreatitis affected acinar cells where the encoded protein mediates sequestration and degradation of potentially deleterious activated zymogen granules in a process termed, zymophagy. [provided by RefSeq, Jul 2016]

Locus ID: 81671

MW: 76.7