

## Product datasheet for **SC107701**

### TMEM219 (NM\_194280) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM219 (NM_194280) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM219
Synonyms:	IGFBP-3R
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107701 sequence for NM_194280 edited (data generated by NextGen Sequencing)

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ATGGGCAACTGCCAGGCAGGGCACAACCTGCACCTGTGTCTGGCCACCACCCACCTCTG
GTCTGTGCCACTTTGATCCTGCTGCTCCTTGGCCTCTCTGGCCTGGGCCTTGGCAGCTTC
CTCCTCACCCACAGGACTGGCCTGCGCAGCCCTGACATCCCCCAGGACTGGGTCTTTTT
TTGAGATCTTTTGGCCAGCTGACCCTGTGTCCCAGGAATGGGACAGTCACAGGGAAGTGG
CGAGGGTCTCACGTCGTGGGCTTGTGACCACCTTGAACCTCGGAGACGGTCCAGACAGG
AACAAAGACCCGGACATTCCAGGCCACAGTCCTGGGAAGTCAGATGGGATTGAAAGGATCT
TCTGCAGGACAACTGGTCCTTATCACAGCCAGGGTGACCACAGAAAGGACTGCAGGAACC
TGCCTATATTTTAGTGTGTTCCAGGAATCCTACCCTCCAGCCAGCCACCCATATCCTGC
TCAGAGGAGGGGGCTGGAATGCCACCCTGAGCCCTAGAATGGGTGAGGAATGTGTTAGT
GTCTGGAGCCATGAAGGCCTTGTGCTGACCAAGCTGCTCACCTCGGAGGAGCTGGCTCTG
TGTGGCTCCAGGCTGCTGGTCTTGGGCTCCTTCCTGCTTCTTCTGTGGCCTTCTCTGC
TGTGTCACTGCTATGTGCTTCCACCCGCGCCGGGAGTCCCACTGGTCTAGAACCCGGCTC
TGA
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Clone variation with respect to NM\_194280.3



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_194280 unedited CACGAGGGCTCCGCCCGGCCCGAGGCAGGCTCTCCCCGGAGGCTCAGCCCCCTCTGCT CCCCATGGGCAACTGCCAGGCAGGGCACAACTGCACCTGTGTCTGGCCACCACCCACC TCTGGTCTGTGCCACTTTGATCTGTCTCCTTGGCCTCTTGGCCTGGGCCTTGGCAG CTTCTCTCACCCACAGGACTGGCCTGCGCAGCCCTGACATCCCCAGGACTGGGTCTC TTTTTTGAGATCTTTTGGCCAGCTGACCCTGTGTCCCAGGAATGGGACAGTCACAGGGAA GTGGCGAGGGTCTCACGTCGTGGGCTTGTGACCACCTTGAACCTCGGAGACGGTCCAGA CAGGAACAAGACCCGGACATTCCAGGCCACAGTCTGGGAAGTCAGATGGGATTGAAAGG ATCTTCTGCAGGACAACCTGGTCCTTATCACAGCCAGGGTGACCACAGAAAGGACTGCAGG AACCTGCCTATATTTTAGTGCTGTTCCAGGAATCTACCCTCCAGCCAGCCACCCATATC CTGCTCAGAGGAGGGGGCTGGAAATGCCACCCTGAGCCCTAGATGGGTGAGGAATGTGTT AGTGTCTG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_194280
<b>Insert Size:</b>	4000 bp
<b>OTI Disclaimer:</b>	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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_194280.2</a> , <a href="#">NP_919256.1</a>
<b>RefSeq Size:</b>	1107 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	124446
<b>UniProt ID:</b>	<a href="#">Q86XT9</a>

<b>Cytogenetics:</b>	16p11.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	Cell death receptor specific for IGFBP3, may mediate caspase-8-dependent apoptosis upon ligand binding.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.