

## Product datasheet for **RG211699**

### **TMEM219 (NM\_001083613) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM219 (NM_001083613) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM219
Synonyms:	IGFBP-3R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211699 representing NM_001083613 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAACTGCCAGGCAGGGCACAACCTGCACCTGTGTCTGGCCACCACCCACCTCTGGTCTGTGCCA  
CTTTGATCCTGCTGCTCCTTGGCCTCTCTGGCCTGGGCCTTGGCAGCTTCCTCCTCACCCACAGGACTGG  
CCTGCGCAGCCCTGACATCCCCAGGACTGGGTCTTTTTTTGAGATCTTTTGGCCAGCTGACCCTGTGT  
CCCAGGAATGGGACAGTCACAGGAAGTGGCGAGGGTCTCACGTCGTGGCTTGTGACCACCTTGAAC  
TCGGAGACGGTCCAGACAGGAACAAGACCCGGACATTCCAGGCCACAGTCCTGGGAAGTCAGATGGGATT  
GAAAGGATCTTCTGCAGGACAACCTGGTCTTATCACAGCCAGGGTGACCACAGAAAGGACTGCAGGAACC  
TGCCATATATTTAGTGCTGTTCCAGGAATCCTACCCTCCAGCCAGCCACCCATATCCTGCTCAGAGGAGG  
GGGCTGGAAATGCCACCCTGAGCCCTAGAATGGGTGAGGAATGTGTTAGTGTCTGGAGCCATGAAGGCC  
TGTGCTGACCAAGCTGCTCACCTCGGAGGAGCTGGCTCTGTGTGGCTCCAGGCTGCTGGTCTTGGGCTCC  
TTCCTGCTTCTCTGTGGCCTTCTCTGCTGTGTCACTGCTATGTGCTTCCACCCGCGCCGGGAGTCCC  
ACTGGTCTAGAACCCGGCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG211699 representing NM\_001083613  
Red=Cloning site Green=Tags(s)

MGNCQAGHNLHLCLAHHPPLVCATLILLLLGLSGLGLGSFLLTHRTGLRSPDIPQDWVSFLRSFQQLTLC  
 PRNGTVTGKWRGSHVVGLLTTLNFGDGPDRNKTRTFQATVLGSQMGLKGSSAGQLVLITARVTTERTAGT  
 CLYFSAVPGILPSSQPPISCSEEGAGNATLSPRMGEECVSVWSHEGLVLTKLLTSEELALCGSRLLVLGS  
 FLLLFCGLLCCVTAMCFHPPRESHWSRTRL

TRTRPLE - GFP Tag - V

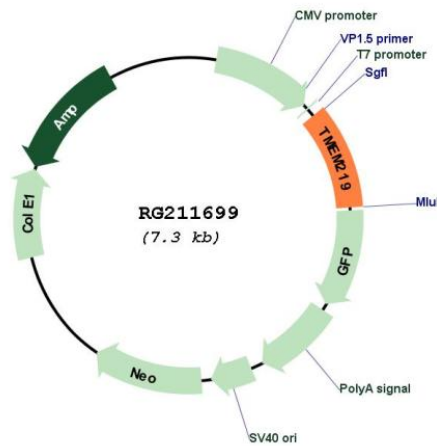
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001083613

**ORF Size:** 720 bp

<b>OTI Disclaimer:</b>	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>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001083613.2</a>
<b>RefSeq Size:</b>	1019 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]