

Product datasheet for RC211699

TMEM219 (NM_001083613) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM219 (NM_001083613) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMEM219
Synonyms:	IGFBP-3R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211699 representing NM_001083613 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACTGCCAGGCAGGGCACAACTGCACCTGTGTCTGGCCACCACCCACCTCTGGTCTGTGCCA
CTTTGATCCTGCTGCTCCTTGGCCTCTCTGGCCTGGGCCTTGGCAGCTTCCTCCTCACCCACAGGACTGG
CCTGCGCAGCCCTGACATCCCCAGGACTGGGTCTTTTTTTGAGATCTTTTGGCCAGCTGACCCTGTGT
CCCAGGAATGGGACAGTCACAGGAAGTGGCGAGGGTCTCACGTCGTGGGCTTGCTGACCACCTGAACT
TCGGAGACGGTCCAGACAGGAACAAGACCCGGACATTCCAGGCCACAGTCCTGGGAAGTCAGATGGGATT
GAAAGGATCTTCTGCAGGACAACCTGGTCTTATCACAGCCAGGGTGACCACAGAAAGGACTGCAGGAACC
TGCCATATATTTAGTGCTGTTCCAGGAATCCTACCCTCCAGCCAGCCACCCATATCCTGCTCAGAGGAGG
GGGCTGGAAATGCCACCCTGAGCCCTAGAATGGGTGAGGAATGTGTTAGTGTCTGGAGCCATGAAGGCCCT
TGTGCTGACCAAGCTGCTCACCTCGGAGGAGCTGGCTCTGTGTGGCTCCAGGCTGCTGGTCTTGGGCTCC
TTCCTGCTTCTCTGTGGCCTTCTCTGCTGTGTCACTGCTATGTGCTTCCACCCGCGCCGGGAGTCCC
ACTGGTCTAGAACCCGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211699 representing NM_001083613
Red=Cloning site Green=Tags(s)

MGNCQAGHNLHLCLAHHPPLVCATLILLLLGLSGLGLGSFLLTHRTGLRSPDIPQDWVSFLRSFGLTLCLC
 PRNGVTGKWRGSHVVGLLTTLNFGDGPDRNKTRTFQATVLGSQMGLKSSAGQLVLITARVTTERTAGT
 CLYFSAVPGILPSSQPPISCSSEEGAGNATLSPRMGEECVSVWSHEGLVLTKLLTSEELALCGSRLLVLGS
 FLLLFCGLLCCVTAMCFHPRRESHWSRTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8074_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001083613

ORF Size: 720 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001083613.2](#)

RefSeq Size: 1019 bp

RefSeq ORF: 723 bp

Locus ID: 124446

UniProt ID: [Q86XT9](#)

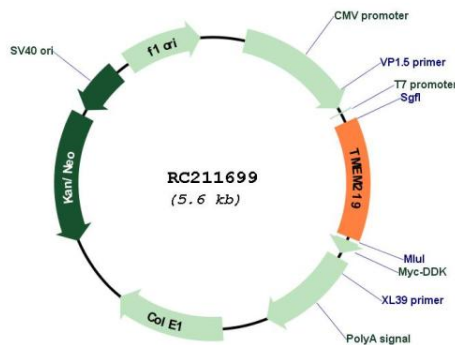
Cytogenetics: 16p11.2

Protein Families: Druggable Genome, Transmembrane

MW: 25.5 kDa

Gene Summary: Cell death receptor specific for IGFBP3, may mediate caspase-8-dependent apoptosis upon ligand binding.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC211699