

Product datasheet for MR228724

Tmem219 (NM_026827) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem219 (NM_026827) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem219
Synonyms: 1110032O16Rik; 2900045G02Rik; IGFBP-3R
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228724 representing NM_026827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGGCAGCTGCCAGGCAGGGCACAACCTGCATCTCTGTCTGGCTCATCACCCACCTTTGGTCTGTGCCA
 CTTTGATCCTGCTGCTCCTTGGCCTTTCTGGCCTGGGCCCTTGGTGGCTTCTCCTCACCCACACAACCTGG
 CCTCCGTAGCCCTGACATTCCCCAGGATTGGGTTTCTTCTTGAGATCTTTGGCCAGCTAAGTCTGTGC
 CCCATGAATGAGACAGTCACAGGGACGTGGCAAGGGCCTCACGTCGTCGGCTTACTGACCACTTTGAACT
 TCGGAGATGGTCCAGACAGAAACAAAACCCAAACATTCCAAGCCAAGATCCATGGTAGTCAGATAGGATT
 GACAGGGTCTCTGCCGAGAGTCTGTCCCTGTACAGCCAGAGTGGCGTCAGGAAGGACTCCAGGGACC
 TGCCATATATTTAGTGGTGTCCAAAAGTCTGCCCTTAGCCAACCACTATATCCTGCTCAGAGGAGG
 GAGTTGAAAATGCTACCCTGAGCCAGTGATGGGTGAGGAGTGTGTGAGGGTCTGGAGCCACGAGCGCCT
 TGTGCTCACCGAGCTCCTACTTCAGAGGAGCTGGCTCTGTGTGGCAGCAGAGTGTGGGCTTGGGCTTC
 TTCCTGGTTCTGCTCTGTGGCCTCCTCTGCTGTACCACTGCAGTCTGCTTCCATCCGCGCCAGAGTTCC
 ACTGGTCTAGAACACGGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228724 representing NM_026827
 Red=Cloning site Green=Tags(s)

MGSCQAGHNLHLCLAHHPPLVCATLILLLLGLSGLGLGGFLLTHTTGLRSPDIPQDWVSFLRSFGQLSLC
 PMNETVTGTWQGPVHVGLLTTLNFGDGPDRNKTQTFQAKIHGSQIGL TGSSAGESVLVTARVASGRTPGT
 CLYFSGVPKVLPSQPPI SCSEEGVGNATLSPVMGEECVRVWSHERLVL TELLTSEELALCGRVLGLGF
 FLVLLCGLLCCTTAVCFHPRPEFHWSRTRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026827

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_026827.1](#), [NP_081103.1](#)

RefSeq Size: 962 bp

RefSeq ORF: 723 bp

Locus ID: 68742

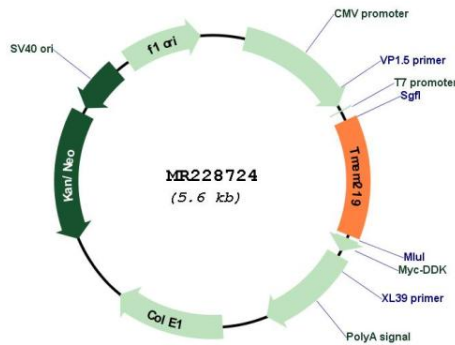
UniProt ID: [Q9D123](#)

Cytogenetics: 7 F3

MW: 25.6 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 MR228724