

Product datasheet for MR228209

Pmp22 (NM_001302259) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmp22 (NM_001302259) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pmp22
Synonyms: 22kDa; Gas-3; HNPP; Tr; trembler
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228209 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCTACTCTTGTGGGGATCCTGTTCTGCACATCGCGGTGCTAGTGTGCTCTTCGCTCCACCA
 TCGTCAGCCAATGGCTCGTGGGCAATGGACACACGACTGATCTCTGCCAGAACTGTACCACATCCGCCTT
 GGGAGCCGTCCAACACTGCTACTCCTCATCAGTGAGCGAATGGCTGCAGTCTGTCCAGGCCACCATGATC
 CTGTCTGTATCTTCAGCGTCTGGCTCTGTTCTTCTTCTGCCAGCTCTTCACTCTCACAAAGGCC
 GCCGGTTTACACTACTGGATTCTTCAAATCCTTGTCTGGTCTGTGCGTGATGAGTGCAGCGGCCATCTA
 CACAGTGAGGCACAGTGAGTGGCATGTCAAACACTGACTACTCCTATGGCTTCGCCTACATCTGGCCTGG
 GTGGCCTTCCCTTAGCCCTCCTCAGTGGTATCATCTATGTGATCCTGCGGAAACGCGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228209 protein sequence
 Red=Cloning site Green=Tags(s)

MLLLLLGILFLHIAVLVLLFVSTIVSQWLVGNHTDLWQNCTTSALGAVQHCVSSVSEWLQSVQATMI
 LSVIFSVLALFLFFCQLFTLTKGGRFYITGFFQILAGLCVMSAAAITYVRHSEWHVNTDYSYGFAYILAW
 VAFPLALLSGIIVILRKRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001302259

ORF Size: 480 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_001302259.1](#), [NP_001289188.1](#)

RefSeq Size: 1796 bp

RefSeq ORF: 483 bp

Locus ID: 18858

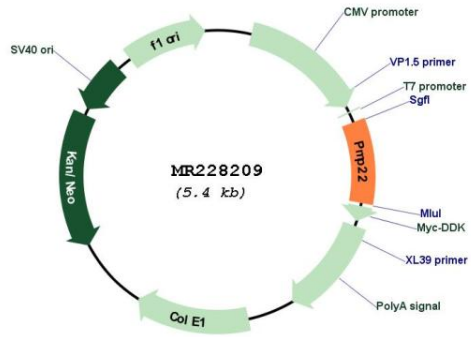
UniProt ID: [P16646](#)

Cytogenetics: 11 38.99 cM

MW: 17.9 kDa

Gene Summary: Might be involved in growth regulation, and in myelination in the peripheral nervous system.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228209