

Product datasheet for **MR225485**

Pmp22 (NM_008885) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmp22 (NM_008885) 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: >MR225485 representing NM_008885
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCTACTCTTGTGGGGATCCTGTTCTGCACATCGCGGTGCTAGTGTGCTCTTCGCTCCACCA
TCGTCAGCCAATGGCTCGTGGGCAATGGACACACGACTGATCTCTGCCAGAACTGTACCACATCCGCCTT
GGGAGCCGTCCAACACTGCTACTCCTCATCAGTGAGCGAATGGCTGCAGTCTGTCCAGGCCACCATGATC
CTGTCTGTATCTTCAGCGTCTGGCTCTGTTCTCTCTGCCAGCTCTTCACTCTCACAAAGGCC
GCCGGTTTTACACTACTGGATTCTTCAAATCCTTGTCTGGTCTGTGCGTGATGAGTGCAGCGCCATCTA
CACAGTGAGGCACAGTGAGTGGCATGTCAAACACTGACTACTCCTATGGCTTCGCCTACATCTGGCCTGG
GTGGCCTTCCCTTAGCCCTCCTCAGTGGTATCATCTATGTGATCCTGCGGAAACGCGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225485 representing NM_008885
Red=Cloning site Green=Tags(s)
MLLLLLGILFLHIAVLVLLFVSTIVSQWLVGNGHTDLWQNCTTSALGAVQHCYSSSVSEWLQSVQATMI
LSVIFSVLALFLFFCQLFTLTKGGRFYITGFFQILAGLCVMSAAAITYVRHSEWHVNTDYSYGFAYILAW
VAFPLALLSGIIVILRKRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

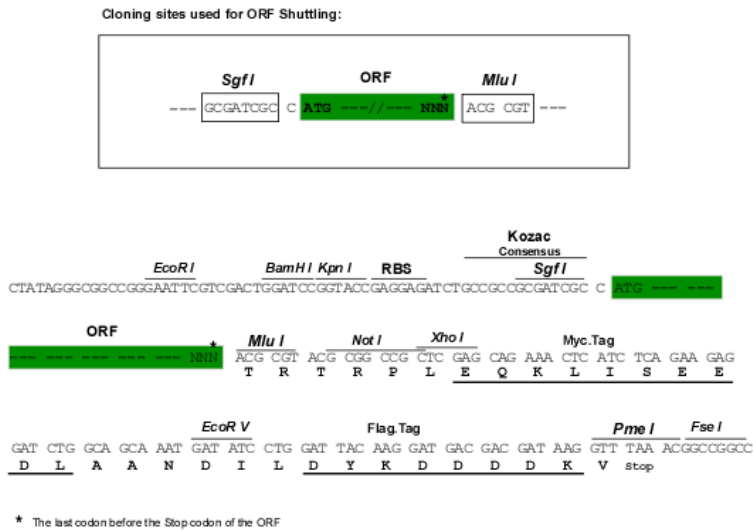
Chromatograms: https://cdn.origene.com/chromatograms/mm9025_g03.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008885

ORF Size: 480 bp

OTI Disclaimer: 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 custsupport@origene.com 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. [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_008885.3](#), [NP_032911.1](#)

RefSeq Size: 1801 bp

RefSeq ORF: 483 bp

Locus ID: 18858

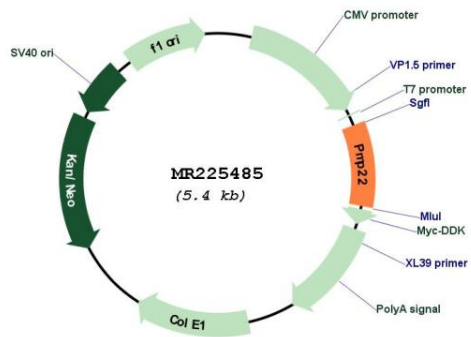
UniProt ID: [P16646](#)

Cytogenetics: 11 38.99 cM

MW: 18.4 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 MR225485