

Product datasheet for **RG206053**

PMP2 (NM_002677) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PMP2 (NM_002677) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PMP2
Synonyms: CMT1G; FABP8; M-FABP; MP2; P2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206053 representing NM_002677
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCAACAAATTCCTGGGCACCTGGAACTTGTCTCTAGTGAGAACTTTGACGATTACATGAAAGCTC
TGGGTGTGGGTTAGCCACCAGAAAACCTGGGAAATTTGGCCAAACCCACTGTGATCATCAGCAAGAAAGG
AGATATTATAACTATACGAACTGAAAGTACCTTTAAAAATACAGAAATCTCCTTCAAGCTAGGCCAGGAA
TTTGAAGAAACCACAGCTGACAAATAGAAAGACCAAGAGCATCGTAACCCTGCAGAGAGGATCACTGAATC
AAGTGCAGAGATGGGATGGCAAAGAGACAACCATAAAGAGAAAGCTAGTGAATGGGAAAAATGGTAGCGGA
ATGTAATAATGAAGGGCGTGGTGTGCACCAGAATCTATGAGAAGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206053 representing NM_002677
Red=Cloning site **Green**=Tags(s)

MSNKFLGTWKLVSSENFDDYMKALGVGLATRKLGNLAKPTVIISKGGDIITIRTESTFKNTEISFKLGQE
FEETTADNRKTKSIVTLQRGSLNQVQRWDGKETTIRKRLVNGKMVAECKMKGVVCTRIYEKV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_002677

ORF Size: 396 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.

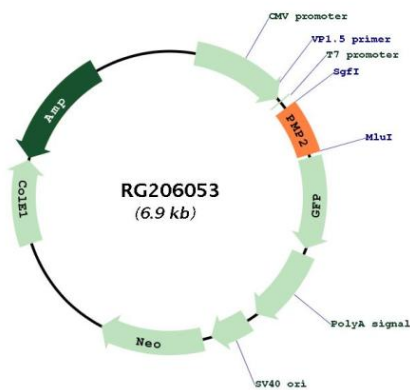
RefSeq: [NM_002677.5](#)

RefSeq Size: 3579 bp

RefSeq ORF: 399 bp

Locus ID: 5375
UniProt ID: [P02689](#)
Cytogenetics: 8q21.13
Domains: lipocalin
Gene Summary: The protein encoded by this gene localizes to myelin sheaths of the peripheral nervous system. The encoded protein can bind both the membrane layers of the sheaths and monomeric lipids, and is thought to provide stability to the sheath. A defect in this gene was shown to be a cause of dominant demyelinating CMT neuropathy. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RG206053