

Product datasheet for **SC124315**

PMP22 (NM_153322) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PMP22 (NM_153322) Human Untagged Clone
Tag:	Tag Free
Symbol:	PMP22
Synonyms:	CIDP; CMT1A; CMT1E; DSS; GAS-3; GAS3; HMSNIA; HNPP; Sp110
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124315 sequence for NM_153322 edited (data generated by NextGen Sequencing)

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ATGCTCCTCCTGTTGCTGAGTATCATCGTCCACGTCGCGGTGCTGGTGCTGCTGTTCCAG
GTCTCCACGATCGTCAGCCAATGGATCGTGGGCAATGGACACGCAACTGATCTCTGGCAG
AACTGTAGCACCTCTTCCTCAGGAAATGTCCACCACTGTTTCTCATCATCACAAACGAA
TGGCTGCAGTCTGTCCAGGCCACCATGATCCTGTGATCATCTTCAGCATTCTGTCTCTG
TTCCTGTTCTTCTGCCAACTCTTACCCTCACCAAGGGGGGAGGTTTTACATCACTGGA
ATCTTCCAAATTCTTGTGGTCTGTGCGTGATGAGTGCTGCGCCATCTACACGGTGAGG
CACCCGGAGTGGCATCTCAACTCGGATTACTCCTACGGTTTCGCCTACATCCTGGCCTGG
GTGGCCTTCCCCTGGCCCTTCTCAGCGGTGTCATCTATGTGATCTTGCAGAAACGCGAA
TGA
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Clone variation with respect to NM_153322.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153322 unedited CGACTTCTTAGGGCGGCCGGAATTCGGCACGAGGGGAACATCTCGGGGAGCCTGGTTG GAAGCTGCAGGCTTAGTCTGTGCGGTGCGGGTCTCTGACTGCCCTGTGGGGAGGGTCTTG CCTTAACATCCCTTGCAATTTGGCTGCAAAGAAATCTGCTTGAAGAAGGGGTACGCTGT TTGGCCGGGCAGAACTCCGCTGAGCAGAACTTGCCGCCAGAATGCTCCTCTGTTGCTG AGTATCATCGTCTCCACGTGCGGGTGTGGTGTGCTGTTCTGCTCCACGATCGTCAGC CAATGGATCGTGGGCAATGGACACGCAACTGATCTCTGGCAGAAGTGTAGCACCTCTCC TCAGGAAATGTCCACCACTGTTTCTCATCATCACCAAACGAATGGCTGCAGTCTGTCCAG GCCACCATGATCCTGTGATCATCTTCAGCATTCTGTCTCTGTTCTGTTCTTCTGCCAA CTCTTACCCTCACCAAGGGGNGGCAGGTTTTACATCACTGGAATCTTCCAAATCTTGC TGGTCTGTGCGTGATGAGTGCTGCGGCATCTACACGGTGAGGCACNCCGGAGTGGCATC TCAACTCGGATTACTCTACGGTTTCGCCTACATCCTGGCCTAGGGTGGCCTTCCCCTG GCCCTTCTCAGCGTGTATCTATGTGATCTTGCAGAACGCGAATGAGCCCCAGACGGTC TGCTGAGCTCTGAGCGTAATGGGAAGNNGGGAGGGGGAACNNANNGCGCCAAGA ATAAGAGCTAGCCATATCCCAACTCAACCAACAGAAAGAGGGGGGGGGGGGGCC CCTTCCCTTAAACCCTTTCTCTCGCCCCGTGCGCGCCTTGGTGCCTCGCCCCTGCGGC CCCACCCGCGCCCACTCTCCCTATCTTTCTTAGCATCCCCCCCCCTCTTCTCT TCTCTCATTCCCCCTCA
Restriction Sites:	NotI-NotI
ACCN:	NM_153322
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	<u>NM_153322.1</u> , <u>NP_696997.1</u>
RefSeq Size:	1669 bp
RefSeq ORF:	483 bp
Locus ID:	5376
UniProt ID:	<u>Q01453</u>
Cytogenetics:	17p12
Protein Families:	Transmembrane

Gene Summary:

This gene encodes an integral membrane protein that is a major component of myelin in the peripheral nervous system. Studies suggest two alternately used promoters drive tissue-specific expression. Various mutations of this gene are causes of Charcot-Marie-Tooth disease Type IA, Dejerine-Sottas syndrome, and hereditary neuropathy with liability to pressure palsies. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1-5 encode the same isoform (1).