

## Product datasheet for **RC204349**

### PMP22 (NM\_153321) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PMP22 (NM\_153321) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PMP22  
**Synonyms:** CIDP; CMT1A; CMT1E; DSS; GAS-3; GAS3; HMSNIA; HNPP; Sp110  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC204349 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTCCTCTGTTGCTGAGTATCATCGTCTCCACGTCGCGGTGCTGGTCTGCTGTTCTCCACGA  
 TCGTCAGCCAATGGATCGTGGGCAATGGACACGCAACTGATCTCTGCCAGAACTGTAGCACCTCTTCTC  
 AGGAAATGTCCACCACTGTTTCTCATCATCACAAACGAATGGCTGCAGTCTGTCCAGGCCACCATGATC  
 CTGTGCATCATCTTCAGATTCTGTCTCTGTTCTTCTGCAACTCTTACCCTCACCAAGGGGG  
 GCAGGTTTACACTACTGGAATCTTCAAATTCTGCTGGTCTGTGCGTGATGAGTGCTGCGCCATCTA  
 CACGGTGAGGCACCCGGAGTGGCATCTCAACTCGGATTACTCCTACGGTTTCGCCTACATCTGGCCTGG  
 GTGGCCTTCCCCTGGCCCTTCTCAGCGGTGTCATCTATGTGATCTTGCGGAAACGCGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC204349 protein sequence  
 Red=Cloning site Green=Tags(s)

MLLLLLSIIVLHVAVLVLLFVSTIVSQWIVNGHATDLWQNCSTSSSGNVHHCFSPPNEWLQSVQATMI  
 LSIIFSILSLFLFFCQLFTLTKGGRFYITGIFQILAGLCVMSAAAITYVRHPEWHLNSDYSYGFAYILAW  
 VAFPLALLSGVIYVILRKRE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6060\\_b04.zip](https://cdn.origene.com/chromatograms/mk6060_b04.zip)



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UniProt ID: [Q01453](#)

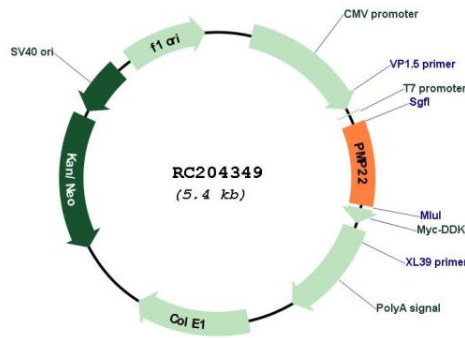
Cytogenetics: 17p12

Protein Families: Transmembrane

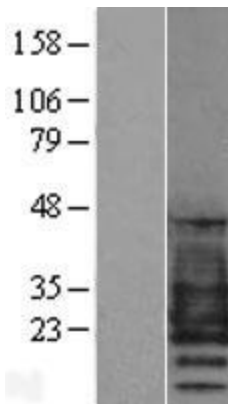
MW: 17.9 kDa

**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]

**Product images:**



Circular map for RC204349



Western blot validation of overexpression lysate (Cat# [LY403508]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC218781] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).