

Product datasheet for MR228732

Plp1 (NM_001290561) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plp1 (NM_001290561) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Plp1
Synonyms: DM20; jimpy; jp; msd; Plp; rsh
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228732 representing NM_001290561
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTTGTTAGAGTGTGTGCTAGATGTCTGGTAGGGCCCCCTTTGCTTCCCTGGTGGCCACTGGAT
 TGTGTTTCTTTGGAGTGGCACTGTTCTGTGGATGTGGACATGAAGCTCTCACTGGTACAGAAAAGCTAAT
 TGAGACCTATTTCTCAAAAACCTACCAGGACTATGAGTATCTCATTAAATGTGATTCATGCTTTCCAGTAT
 GTCATCTATGGAAGTGCCTCTTTCTTCTCCTTTATGGGGCCCTCCTGCTGGCTGAGGGCTTCTACACCA
 CCGGGCGTGTAGGCAGATCTTTGGCGACTACAAGACCACCATCTGCGGCAAGGGCTGAGCGCAACGTT
 TGTGGGCATCACCTATGCCCTGACTGTTGTATGGCTCCTGGTGTGGCTGCTCGGCTGTACCTGTGTAC
 ATTTACTTCAATACCTGGACCACCTGTCAGTCTATTGCCCTCCCTAGCAAGACCTCTGCCAGTATAGGCA
 GTCTCTGCGCTGATGCCAGAATGTATGGTGTCTCCCATGGAATGCTTCCCTGGCAAGGTTTGTGGCTC
 CAACCTTCTGTCCATCTGCAAAACAGCTGAGTTCCAAATGACCTTCCACCTGTTTATTGCTGCGTTTGTG
 GGTGCTGCGGCCACACTAGTTTCCCTGCTCACCTTCATGATTGCTGCCACTTACAACCTTCGCCGTCCTTA
 AACTCATGGGCCGAGGCCACCAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228732 representing NM_001290561
Red=Cloning site Green=Tags(s)

MGLLECCARCLVGAPFASLVATGLCFFGVALFCGCGHEALTGTEKLIETYFSKNYQDYEYLINVIHAFQY
 VIYGTASFFFLYGALLLAEGFYTTGAVRQIFGDYKTTICGKGLSATFVGITYALTVVWLLVFACSAVPVY
 IYFNTWTTQCSIAFPSKTSASIGSLCADARMYGVLPWNAFPGKVCGSNLLSICKTAEFQMTFHLFIAAFV
 GAAATLVSLTTFMIAATYNFAVLKLMGRGTFK

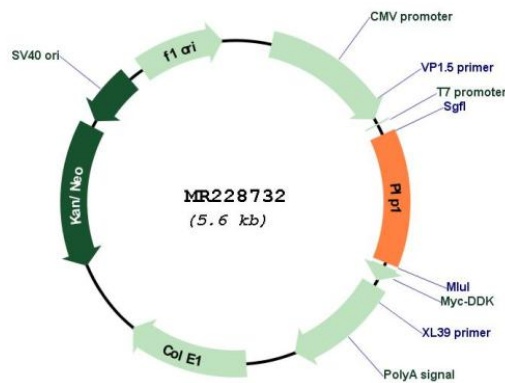
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290561
ORF Size: 726 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:	<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:	NM_001290561.2
RefSeq Size:	3368 bp
RefSeq ORF:	729 bp
Locus ID:	18823
UniProt ID:	P60202
Cytogenetics:	X 59.1 cM
MW:	26.7 kDa
Gene Summary:	This is the major myelin protein from the central nervous system. It plays an important role in the formation or maintenance of the multilamellar structure of myelin.[UniProtKB/Swiss-Prot Function]