

## Product datasheet for TP527005

### Mpz (NM\_008623) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myelin protein zero (Mpz), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227005 representing NM_008623 Red=Cloning site Green=Tags(s)

MAPGAPSSSPILAALLFSSLVLSPALAIWVYTDREIYGAVGSQVTLHCSFWSSEWVSDDISFTWRYQP  
EGGRDAISIFHYAKGQPYIDEVGTFKERIQWGDPRWKDGSIVIHNLDSYDNGTFTCDVKNPPDIVGKTS  
QVTLYVFEKVPTRYGVVLGAVIGGILGWLLLLLFFYLIRYCWLRRQAALQRRLSAMEKGRFHKSSKDSS  
KRGRQTPVLYAMLDHSRSTKAASEKSKGLGESRKDKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	28.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_032649</a>
Locus ID:	17528
UniProt ID:	<a href="#">P27573</a> , <a href="#">E9QK82</a>
RefSeq Size:	1993



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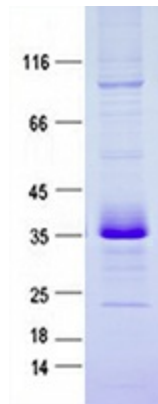
Cytogenetics: 1 79.05 cM

RefSeq ORF: 744

Synonyms: M; Mpp; P; P-zero; P0

**Summary:** This gene is specifically expressed in Schwann cells of the peripheral nervous system and encodes a type I transmembrane glycoprotein that is a major structural protein of the peripheral myelin sheath. The encoded protein contains a large hydrophobic extracellular domain and a smaller basic intracellular domain, which are essential for the formation and stabilization of the multilamellar structure of the compact myelin. Mutations in the orthologous gene in human are associated with myelinating neuropathies. A recent study showed that two isoforms are produced from the same mRNA by use of alternative in-frame translation termination codons via a stop codon readthrough mechanism. Alternatively spliced transcript variants have also been found for this gene. [provided by RefSeq, Oct 2015]

### Product images:



Purified recombinant protein Mpz was analyzed by SDS-PAGE gel and Coomassie Blue Staining.