Recombinant Mouse Pmp22 Protein, His&GST-tagged

Cat. No. Pmp22-1955M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pmp22 Protein (Met1-Ser64) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Ser64
Description	Enables cytoskeletal motor activity. Acts upstream of or within several processes, including nervous system development; regulation of apoptotic process; and regulation of gene expression. Located in several cellular components, including cell surface; compact myelin; and perinuclear region of cytoplasm. Part of integrin complex and laminin complex. Is expressed in several structures, including alimentary system; intraembryonic coelom; lung; musculoskeletal system; and nervous system. Used to study Charcot-Marie-Tooth disease type 1A; Charcot-Marie-Tooth disease type 1E; Charcot-Marie-Tooth disease type 3; and hereditary neuropathy with liability to pressure palsies. Human ortholog(s) of this gene implicated in Charcot-Marie-Tooth disease (multiple); Guillain-Barre syndrome; and hereditary neuropathy with liability to pressure palsies. Orthologous to human PMP22 (peripheral myelin protein 22).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37 kDa Accurate Molecular Mass: 37 kDa

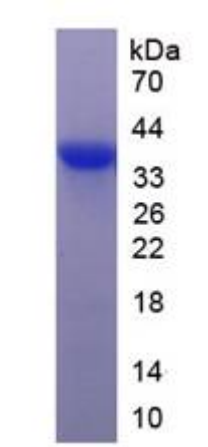
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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Pmp22 peripheral myelin protein 22 [Mus musculus (house mouse)]
Official Symbol	Pmp22
Synonyms	PMP22; peripheral myelin protein 22; PMP-22; growth arrest-specific protein 3; peripheral myelin protein, 22 kDa; Tr; HNPP; 22kDa; Gas-3; trembler;
Gene ID	18858
mRNA Refseq	NM_008885

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Protein Refseq	NP_032911
UniProt ID	P16646
	

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