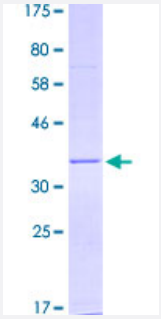
Full-Length

PMP22 (Human) Recombinant Protein (P01)

Catalog # H00005376-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PMP22 full-length ORF (NP_000295.1, 1 a.a. - 160 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLLLLLSIIVLHVAVLVLLFVSTIVSQWIVGNGHATDLWQNCSTSSSGNVHHCFSSSPNEWLQSVQ ATMILSIIFSILSLFLFFCQLFTLTKGGRFYITGIFQILAGLCVMSAAAIYTVRHPEWHLNSDYSYGFAYIL AWVAFPLALLSGVIYVILRKRE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44.3
Interspecies Antigen Sequence	Mouse (87)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PMP22

Entrez GeneID	5376
GeneBank Accession#	NM_000304.2
Protein Accession#	NP_000295.1
Gene Name	PMP22
Gene Alias	CMT1A, CMT1E, DSS, GAS-3, HMSNIA, HNPP, MGC20769, Sp110
Gene Description	peripheral myelin protein 22
Omim ID	118220 118300 145900 162500 180800 601097
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an integral membrane protein that is a major component of myelin in the perip heral nervous system. 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. Al ternative splicing of this gene results in three transcript variants that encode the same protein. [pro vided by RefSeq
Other Designations	growth arrest-specific 3

Disease

- Cardiovascular Diseases

- Charcot-Marie-Tooth Disease
- Deafness
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hereditary Motor and Sensory Neuropathies
- Multiple Sclerosis
- Polyneuropathies
- Sleep Apnea