Pallidin (PLDN) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pallidin (Pldn), Recombinant Protein
Full Product Name	Recombinant Mouse Pallidin (Pldn)
Product Gene Name	Pldn recombinant protein
Product Synonym Gene Name	Pldn
Sequence	MSVPEPPPPD GVLTGPSDSL EAGEPTPGLS DTSPDEGLIE DFPVDDRAVE HLVGGLLSHY LPDLQRSKRA LQELTQNQVV LLDTLEQEIS KFKECHSMLD INALFTEAKH YHAKLVTIRK EMLLLHEKTS KLKKRALKLQ QKRQREELER EQQREKEFER EKQLTAKPAK RT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	â€“ Da
Sequence Positions	1-172, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9R0C0
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Pldn recombinant protein	This protein may play a role in intracellular vesicle trafficking. It interacts with Syntaxin 13 which mediates intracellular membrane fusion. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.
Other Notes	Small volumes of Pldn recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Pldn purchase	MBS1298087 is a recombinant protein targeting Pldn. Also known as Recombinant Mouse Pallidin (Pldn). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pldn. It may not necessarily be applicable to this product.

NCBI GI #	9790039
NCBI GeneID	18457
NCBI Accession #	NP_062762.1
UniProt Primary Accession #	Q9R0C0

UniProt Secondary Accession #	Q3TUT4; Q91VG4; A2ATW6
UniProt Related Accession #	Q9R0C0
GenBank Nucleotide #	NM_019788.3
NCBI Official Full Name	biogenesis of lysosome-related organelles complex 1 subunit 6
NCBI Official Synonym Full Names	biogenesis of lysosomal organelles complex-1, subunit 6, pallidin
NCBI Official Symbol	Bloc1s6
NCBI Official Synonym Symbols	pa; Pldn; BLOC-1; Stx13bp1
UniProt Protein Name	Biogenesis of lysosome-related organelles complex 1 subunit 6
UniProt Synonym Protein Names	Pallid protein; Pallidin; Syntaxin 13-interacting protein
UniProt Gene Name	Bloc1s6
UniProt Synonym Gene Names	P2; Pa; Pldn; BLOC-1 subunit 6
NCBI Protein Information	biogenesis of lysosome-related organelles complex 1 subunit 6
UniProt Comments for Pldn	Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes. In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension. May play a role in intracellular vesicle trafficking, particularly in the vesicle-docking and fusion process.
Research Articles on Pldn	**1.** Polycystin-2 requires IFT20-GMAP210, the exocyst, and BLOC-1 for trafficking from endosomes to primary cilia.
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