

Recombinant human PLDN protein

Catalog Number: ATGP1472

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-172aa

UniProt No.

Q9UL45

NCBI Accession No.

NP_036520

Alternative Names

pallidin, HPS9, PA, PALLID

PRODUCT SPECIFICATION

Molecular Weight

21.9 kDa (192aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PLDN (Pallidin) 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. This protein involved in the development of lysosome-related organelles, such as melanosomes and platelet-dense granules. PLDN has been shown to interact with BLOC1S1, STX12, Dysbindin, CNO, BLOC1S2, MuTED and SNAPAP. Recombinant human PLDN protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH> MSVPGPSSPD GALTRPPYCL EAGEPTPGLS DTSPDEGLIE DLTIEDKAVE QLAEGLLSHY
LPDLQRSKQA LQELTQNQVV LLDTLEQEIS KFKECHSMLD INALFAEAKH YHAKLVNIRK EMLMLHEKTS KKKRALKLQ
QKRQKEELER EQQREKEFER EKQLTARPAK RM

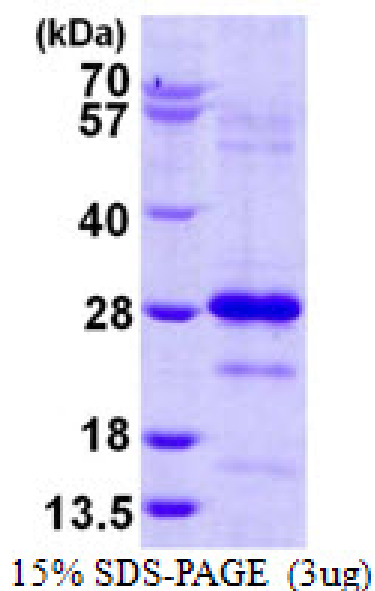
General References

Huang L, et al. (1999). Nat Genet 23 (3): 329-32.

Moriyama K., et al. (2002) Traffic 3:666-677

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.