

## PLDN Human

**Description:**PLDN Human Recombinant produced in E. coli is a single polypeptide chain containing 192 amino acids (1-172) and having a molecular mass of 21.9kDa. PLDN is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1075

**Synonyms:**Pallidin protein homolog (mouse), PA, HPS9, PALLID, syntaxin 13-interacting protein pallid.

For research use only.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHH SSGLVPRGSH MSVPGPSSPD GALTRPPYCL  
EAGEPTPGLS DTSPDEGLIE DLTIEDKAVE QLAEGLLSHY LPDLQRSKQA LQELTQNQVV  
LLDTLEQEIS KFKECHSMLD INALFAEAKH YHAKLVNIRK EMLMLHEKTS KLKRALKLQ  
QKRQKEELER EQQREKEFER EKQLTARPAK RM

**Purity:**Greater than 90% as determined by SDS-PAGE.

### Formulation:

The PLDN solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 2mM DTT and 10% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Pallidin is involved in intracellular vesicle trafficking. PLDN cooperates with Syntaxin 13 that facilitates intracellular membrane fusion. A Few alternatively spliced transcript variations of this gene have been discovered however the full-length nature of several of these variants has not been determined. PLDN takes part in the creation of lysosome-related organelles, for example melanosomes and platelet-dense granules. PLDN is known to cooperate with Dysbindin, BLOC1S1, STX12, CNO, MUTED, SNAPAP and BLOC1S2.

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