
Product Data Sheet

Product Name: PLDN Human
 Cat. No.: GP24194
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Pallidin protein homolog (mouse); PA; HPS9; PALLID; syntaxin 13-interacting protein pallid.		
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MSVPGPSSPD GALTRPPYCL EAGEPTPGLS DTSPDEGLIE DLTIEDKAVE QLAEGLLSHY LPDLQRSKQA LQELTQNQVV LLDTLEQEIS KFKECHSMLD INALFAEAKH YHAKLVNIRK EMLMLHEKTS KLKKRALKLQ QKRQKEELER EQQREKEFER EKQLTARPAK RM		
Formulation	The PLDN solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 2mM DTT and 10% glycerol.		

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.

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.

Background

PLDN Human Recombinant produced in E. coli is a single polypeptide chain containing

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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.

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