
Product Data Sheet

Product Name: PFDN1 Human
 Cat. No.: GP24166
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Prefoldin subunit 1; PFDN1; PFD1; PDF.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MTELQAKVID TQQKVKLADI QIEQLNRTKK HAHLTDTEIM TLVDETNYE GVGRMFIQS KEAHSQLE KQKIAEEKIK ELEQKKSYLE RSVKEAEDNI REMLMARRAQ.		
Formulation	The PFDN1 solution (0.5 mg/ml) contains 20mM Tris-HCl Buffer (pH 8.0) and 20% Glycerol.		

Introduction

PFDN1 is one of 6 subunits of prefoldin, which is a heterohexameric chaperone protein that assists in the proper folding of other proteins. The PFDN1 protein delivers nonnative target proteins, primarily actins and tubulins, to the eukaryotic cytosolic chaperonin for facilitated folding. Defects in PFDN1 presented phenotypes typical of defects in cytoskeletal function, including manifestations of ciliary dyskinesia, neuronal loss, and defects in B and T cell development and function.

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

PFDN1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 130 amino acids (14-122 a.a.) and having a molecular mass of 15kDa. The PFDN1 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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