
Product Data Sheet

Product Name: PFDN2 Human
 Cat. No.: GP24167
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Prefoldin subunit 2; PFDN2; PFD2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAENSGRAGK SSGSGAGKGA VSAEQVIAGF NRLRQEQRGL ASKAAELEME LNEHSLVIDT LKEVDETRKC YRMVGGVLVE RTVKEVLPAL ENNKEQIQKI IETLTQQLQA KGKELNEFRE KHNIRLMGED EKPAAKENSE GAGAKASSAG VLVS.		
Formulation	The PFDN2 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 1mM DTT and 50mM NaCl.		

Introduction

Prefoldin subunit 2 (PFDN2) belongs to the prefoldin beta subunit family. The PFDN2 protein is one of 6 subunits of prefoldin, which is a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thus allowing them to fold correctly. PFDN2 binds specifically to cytosolic chaperonin (c-CPN) and transfers target proteins to it. PFDN2 also binds to a nascent polypeptide chain and promotes folding in an setting in which there are many competing pathways for nonnative proteins.

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

PFDN2 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 174 amino acids (1-154 a.a.) and having a molecular mass of 18.8kDa. The PFDN2 is purified by proprietary chromatographic techniques.

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

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