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PFDN2 Human

Catalog #:PRPS-008

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Description: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.

Synonyms: Prefoldin subunit 2, PFDN2, PFD2.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MAENSGRAGK SSGSGAGKGA VSAEQVIAGF NRLRQEQRGL ASKAAELEME LNEHSLVIDT LKEVDETRKC YRMVGGVLVE RTVKEVLPAL ENNKEQIQKI IETLTQQLQA KGKELNEFRE KHNIRLMGED EKPAAKENSE GAGAKASSAG VLVS.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The PFDN2 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 1mM DTT and 50mM NaCl.

Stability:
PFDN2 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

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

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.

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