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PFDN1 Human

Description: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.

Catalog #:PRPS-284

For research use only.

Synonyms: Prefoldin subunit 1, PFDN1, PFD1, PDF.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MTELQAKVID TQQKVKLADI QIEQLNRTKK HAHLTDTEIM TLVDETNMYE GVGRMFILQS KEAIHSQLLE KQKIAEEKIK ELEQKKSYLE RSVKEAEDNI REMLMARRAQ.

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

Formulation:
The PFDN1 solution (0.5 mg/ml) contains 20mM Tris-HCl Buffer (pH 8.0) and 20% Glycerol.

Stability:
PFDN1 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:
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.

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