Recombinant Human Prefoldin Subunit 1, His-tagged

Cat. No. PFDN1-2855H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PFDN1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. MW = 15.0kDa (130aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	PFDN1 is one of sixsubunits of prefoldin, a heterohexameric chaperone protein which assists in the correct folding of other proteins. This protein delivers nonnative target proteins, principally actins and tubulins, to the eukaryotic cytosolic chaperonin for facilitated folding. Defects in PFDN1 displayed phenotypes characteristic of defects in cytoskeletal function, including manifestations of ciliary dyskinesia, neuronal loss, and defects in B and T cell development and function.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MTELQAKVID TQQKVKLADI QIEQLNRTKK HAHLTDTEIM TLVDETNMYE GVGRMFILQS KEAIHSQLLE KQKIAEEKIK ELEQKKSYLE RSVKEAEDNI REMLMARRAQ
Purity	> 90% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 20% Glycerol.
Concentration	0.5 mg/ml (determined by Bradford assay).

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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	PFDN1 prefoldin subunit 1 [Homo sapiens]
Synonyms	PFDN1; prefoldin subunit 1; PDF; PFD1; prefoldin subunit 1; prefoldin 1
Gene ID	5201
mRNA Refseq	NM_002622
Protein Refseq	NP_002613
MIM	604897
UniProt ID	O60925
Chromosome Location	5q31
Function	protein binding; sequence-specific DNA binding transcription factor activity; unfolded protein binding

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