

Product information

PFDN1, 14-122aa

Human, His-tagged, Recombinant, *E.coli*

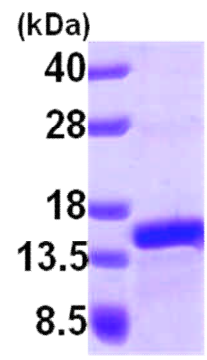
Cat. No. IBATGP0770

Full name: Prefoldin subunit 1

NCBI Accession No.: NP_002613

Synonyms: PDF, PFD1

Description: PFDN1 is one of six subunits 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. Recombinant human PFDN1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

<p>Form: Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 20% Glycerol</p> <p>Molecular Weight: 15.0kDa (130aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	 <p>(kDa)</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>8.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MTELQAKVID TQQKVKLADI QIEQLNRTKK HAHLTOTEIM TLVDETNYE GVGRMFILQS KEA IHSQ LLE KQKIAEEKIK ELEQKKSYLE RSVKEAEDNI REMLMARRAQ</p>	

General references:

Ruley HE., *et al.* (2008) *J Immunol.* 181(1):476-84.

Cowan NJ., *et al* (2004) *J Biol Chem.* 279(6):4196-203.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.