

# Recombinant Human PFDN2 Protein (His Tag)

Catalog Number:PKSH032921



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

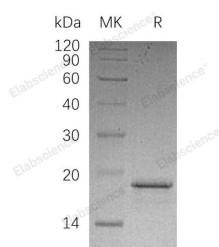
## Description

<b>Synonyms</b>	Prefoldin Subunit 2;PFDN2;PFD2
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Ser154
<b>Accession</b>	Q9UHV9
<b>Calculated Molecular Weight</b>	18.8 kDa
<b>Observed molecular weight</b>	18 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM Tris-HCl, 50mM NaCl, 1mM DTT, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in t
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Prefoldin Subunit 2 (PFDN2) belongs to the Prefoldin Beta subunit family. The PFDN2 protein is one of six subunits of Prefoldin that act as a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides 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 settings where there are many competing pathways for non-native proteins.

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