

# Recombinant Human PFDN4 Protein (His Tag)

Catalog Number:PKSH032922



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

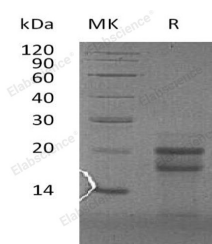
## Description

|                                    |  |
|------------------------------------|--|
| <b>Synonyms</b>                    | Prefoldin Subunit 4;Protein C-1;PFDN4;PFD4 |
| <b>Species</b>                     | Human                                      |
| <b>Expression Host</b>             | E.coli                                     |
| <b>Sequence</b>                    | Met 1-Ser134                               |
| <b>Accession</b>                   | Q9NQP4                                     |
| <b>Calculated Molecular Weight</b> | 17.5 kDa                                   |
| <b>Observed molecular weight</b>   | 18-20 kDa                                  |
| <b>Tag</b>                         | N-His                                      |

## Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 90 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | < 1.0 EU per µg 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 µm filtered solution of PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

Prefoldin Subunit 4 (PFDN4) is a heterohexameric chaperone protein that belongs to the prefoldin subunit beta family. The complex of PFDN4, consisting of two PFD-alpha type and four PFD-beta type subunits, forms a double beta barrel assembly with six protruding coiled-coils. PFDN4 binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly.

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