

## Recombinant Human Prefoldin Subunit 4, His-tagged

**Cat. No.** PFDN4-3404H    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b>         | Recombinant human PFDN4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                         |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                          |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                         |
| <b>Description</b>              | Prefoldin subunit 4, also known PFDN4, is a member of the prefoldin beta subunit family. PFDN4 is a heterohexameric chaperone protein which has the ability to capture unfolded actin and is a possible transcription factor. Six prefoldin polypeptides, prefoldin 1-6, have been identified. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol, 50mM NaCl.                                                                                                                                                                                                          |
| <b>Molecular Weight</b>         | 17.4 kDa (154aa) confirmed by MALDI-TOF.                                                                                                                                                                                                                                                       |
| <b>Purity</b>                   | > 90% by SDS - PAGE.                                                                                                                                                                                                                                                                           |
| <b>Concentration</b>            | 1 mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                                        |
| <b>Sequences Of Amino Acids</b> | MGSSHHHHHH SSGLVPRGSH MAATMKKAAA EDVNVTFEDQ QKINKFARNT SRI<br>TELKEEI EVKKKQLQNL EDACDDIMLA DDDCLMIPYQIGDVFISHSQ EETQ EML<br>EEA KKNLQEEIDA LESRVESIQR VLADLKVQLY AKFGSNINLE ADES.                                                                                                             |

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>             | 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. |
| <b>Pathways</b>            | Metabolism of proteins                                                                                                                                |
| <b>GENE INFORMATION</b>    |                                                                                                                                                       |
| <b>Gene Name</b>           | PFDN4 prefoldin subunit 4 [ Homo sapiens ]                                                                                                            |
| <b>Synonyms</b>            | prefoldin subunit 4; C1; PFD4; PFDN4;prefoldin subunit 4; prefoldin 4; protein C-1; Protein C-1; C-1                                                  |
| <b>Gene ID</b>             | 5203                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_002623                                                                                                                                             |
| <b>Protein Refseq</b>      | NP_002614                                                                                                                                             |
| <b>MIM</b>                 | 604898                                                                                                                                                |
| <b>UniProt ID</b>          | Q9NQP4                                                                                                                                                |
| <b>Chromosome Location</b> | 20q13.2                                                                                                                                               |
| <b>Function</b>            | chaperone binding; unfolded protein binding                                                                                                           |