

## Recombinant Human Prefoldin Subunit 1, T7-tagged

Cat. No. PFDN1-2964H Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                               |
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| Product Overview | Recombinant Human PFDN1 (1-122 aa) is expressed in <i>E. coli</i> with a T7 tag at N-terminus.                                                                                                                                                                                                                                                                                                |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                         |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Length   | 1-122 a.a.                                                                                                                                                                                                                                                                                                                                                                                    |
| Description      | This gene encodes a member of the prefoldin beta subunit family. The encoded protein is one of six subunits of prefoldin, a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly. The complex, consisting of two alpha and four beta subunits, forms a double beta barrel assembly with six protruding coiled-coils. |
| MW               | 14210 Da.                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity           | 95%.                                                                                                                                                                                                                                                                                                                                                                                          |
| Formulation      | 10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN <sub>3</sub> . 10mM DTT.                                                                                                                                                                                                                                                                                                                    |
| Application      | MS. SDS.                                                                                                                                                                                                                                                                                                                                                                                      |

### GENE INFORMATION

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

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