

## Recombinant Human PDF protein, His-tagged

**Cat. No.** PDF-12H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PDF(40-243 aa) fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 40-243 a.a.                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | E GPALRRSYWR HLRRLVLGPP EPPFSHVCQV GDPVLRGVAA PVERAQLGGP<br>ELQRLTQRLV QVMRRRRRCVG LSAPQLGVPR QVLALELPEA LCRECPPRQR<br>ALRQMEPFPL RVFVNPSLRV LDSRLVTFPE GCESVAGFLA CVPRFQAVQI<br>SGLDPNGEQV VWQASGWAAR IIQHEMDHLQ GCLFIDKMDS RTFTNVYWMK VND                                                                         |
| <b>Purity</b>           | >90% (SDS-PAGE)                                                                                                                                                                                                                                                                                                     |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |

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## GENE INFORMATION

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | PDF peptide deformylase (mitochondrial) [ Homo sapiens ]                                                                                 |
| Official Symbol     | PDF                                                                                                                                      |
| Synonyms            | PDF; peptide deformylase (mitochondrial); peptide deformylase, mitochondrial; polypeptide deformylase; peptide deformylase-like protein; |
| Gene ID             | 64146                                                                                                                                    |
| mRNA Refseq         | NM_022341                                                                                                                                |
| Protein Refseq      | NP_071736                                                                                                                                |
| UniProt ID          | Q9HBH1                                                                                                                                   |
| Chromosome Location | 16q22.1                                                                                                                                  |
| Function            | hydrolase activity; iron ion binding; metal ion binding; peptide deformylase activity;                                                   |

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