

# Recombinant Human Peptidylprolyl Isomerase F, T7-tagged

**Cat. No.** PPIF-817H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant PPIF protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 22040Da (207aa).                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>              | Peptidyl-prolyl cis-trans isomerase, mitochondrial is an enzyme that in humans is encoded by the PPIF gene. The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein is part of the mitochondrial permeability transition pore in the inner mitochondrial membrane. Activation of this pore is thought to be involved in the induction of a apoptotic and necrotic cell death. |
| <b>Sequences of amino acids</b> | MLALRCGSRW LGLLSVPRSV PLRLPAARAC SKGSGDPSSS SSSGNPLVYL<br>DVDANGKPLG RVVLELKADV VPKTAENFRA LCTGEKGFGY KGSTFHRVIP<br>SFMCQAGDFT NHNGTGKST YGSRFPDENT TLKHVGPGVL SMANAGPNTN<br>GSQFFICTIK TDWLDGKHVV FGHVKEGMDY VKKIESFGSK SGRTSKKIVI<br>TDCGQLS                                                                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>              | 10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN <sub>3</sub> . 10mM DTT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>                   | 95% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality</b>           | N/A                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>        | MS. SDS                                                                                                                                                                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>           | PPIF peptidylprolyl isomerase F [Homo sapiens]                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | PPIF; CYP3; Cyp-D; FLJ90798; MGC117207; peptidylprolyl isomerase F; Cyclophilin; hCYP3; peptidylprolyl isomerase F (cyclophilin F); PPlase; peptidyl-prolyl cis-trans isomerase, mitochondrial; cyclophilin D; cyclophilin 3; peptidyl-prolyl cis-trans isomerase, mitochondrial; rotamase; Rotamase; EC 5.2.1.8; PPlase F; Rotamase F; Cyclophilin F; OTTHUMP00000019926 |
| <b>Gene ID</b>             | 10105                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_005729                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_005720                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>                 | 604486                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | P30405                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Chromosome Location</b> | 10q22-q23                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Function</b>            | Cyclosporin A binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity; protein binding                                                                                                                                                                                                                                                                  |

PDBrendering based  
on 2bit. Available  
structures: 2bit, 2biu

