

Recombinant Human PPIF protein, T7-tagged

Cat. No. PPIF-159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPIF (207 aa) protein fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	207 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGEFMLALRCGSRWLGLLSVPRSVPLRLPAARACSKGSGDPSS SSSSGNPLVYLDVDANGKPLG RVLLELKADVVPKTAENFRALCTGEKGFGYKGSTF HRVIPSFMCQAGDFTNHNGTGGKSIYGSRFPDENFTLKHV GPGVLSMANAGPNTN GSQFFICTIKTDWLDGKHVVFGHVKEGMDVVKKIESFGSKSGRTSKKIVITDCGQLS
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro mitochondrial mediated cell apoptosis regulation study with intracellular delivery of this protein.2. As soluble / native protein, may be used as enzymatic substrate protein for kinase and ubiquitin assay development.3. May be used for mapping PPIF protein-protein interaction.4. May be used as antigen for specific antibody development.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

GENE INFORMATION

Gene Name	PPIF peptidylprolyl isomerase F [Homo sapiens]
Official Symbol	PPIF
Synonyms	PPIF; cyclophilin D; Cyp D; hCyP3; PPIase F; rotamase F; cyclophilin 3; cyclophilin F; CYP3; Cyp-D; FLJ90798; MGC117207;
Gene ID	10105
mRNA Refseq	NM_005729
Protein Refseq	NP_005720
MIM	604486
UniProt ID	P30405
Chromosome Location	10q22-q23
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Parkinsons disease, organism-specific biosystem; Toxoplasmosis, organism-specific biosystem; Toxoplasmosis, conserved biosystem;
Function	cyclosporin A binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity;

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