

Recombinant Human Peptidylprolyl Isomerase F, T7-tagged

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

SPECIFICATION

Product Overview	Recombinant PPIF protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 22040Da (207aa).
Species	Human
Source	E.coli
Description	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.
Sequences of amino acids	MLALRCGSRW LGLLSVPRSV PLRLPAARAC SKGSGDPSSS SSSGNPLVYL DVDANGKPLG RVVLELKADV VPKTAENFRA LCTGEKGFGY KGSTFHRVIP SFMCQAGDFT NHNGTGKST YGSRFPDENT TLKHVGPGVL SMANAGPNTN GSQFFICTIK TDWLDGKHVV FGHVKEGMDY VKKIESFGSK SGRTSKKIVI TDCGQLS
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ . 10mM DTT
Purity	95% by SDS - PAGE

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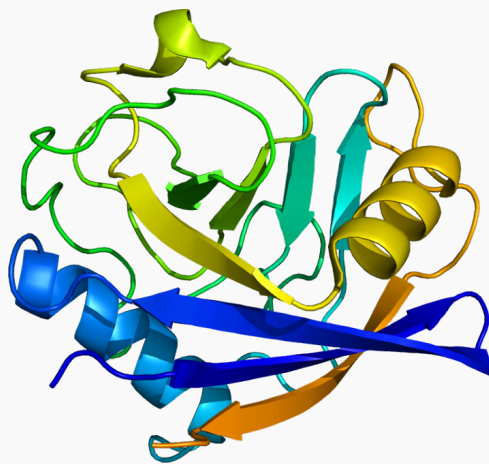
Clonality	N/A
Applications	MS. SDS
GENE INFORMATION	
Gene Name	PPIF peptidylprolyl isomerase F [Homo sapiens]
Synonyms	PPIF; CYP3; Cyp-D; FLJ90798; MGC117207; peptidylprolyl isomerase F; Cyclophilin; hCYP3; peptidylprolyl isomerase F (cyclophilin F); PPlase; peptidyl-prolyl cis-trans isomerase, mitochondrial;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

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