

Active Recombinant Human Peptidylprolyl Isomerase F, His-tagged

Cat. No. PPIF-1429H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPIF Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 198 amino acids (30-207) and having a molecular mass of 21 kDa. The PPIF is fused to 20 amino acid His tag at N-terminus and is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	30-207 a.a.
Description	PPIF is a part of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIF accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIF is key component of the mitochondrial permeability transition pore in the inner mitochondrial membrane. Activation of this pore is thought to be involved in the induction of apoptotic and necrotic cell death.
Form	PPIF solution containing 20 mM Tris pH-7.5, 10% glycerol and 1 mM DTT.
Purity	Greater than 95.0% as determined by SDS-PAGE.
Bio-activity	Specific activity is > 120 nmoles/min/ug, and is defined as the amount of enzyme that cleave 1 umole of suc-AAFP-pNA per minute at 1C in Tris-Hcl pH8.0 using chymotrypsin.

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Physical Appearance	Sterile filtered colorless solution.
Amino acid sequence	MGSSHHHHHH SSGLVPRGSH CSKGSGDPSS SSSSGNPLVY LDVDANGKPL GRVVLELKAD VVPKTAENFR ALCTGEKGFG YKGSTFHRVI PSFMCQAGDF TNHNGTGGKS IYGSRFPDEN FTLKHVGPV LSMANAGPNT NGSQFFICTI KTDWLDGKHV VFGHVKEGMD VVKKIESFGS KSGRTSKKIV ITDCGQLS
Storage	PPIF Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

GENE INFORMATION

Gene Name	PPIF peptidylprolyl isomerase F [Homo sapiens]
Official Symbol	PPIF
Synonyms	PPIF; peptidylprolyl isomerase F; CYP3; Cyp-D; FLJ90798; MGC117207; peptidyl-prolyl cis-trans isomerase F, mitochondrial; PPlase F; rotamase F; cyclophilin 3; cyclophilin D; cyclophilin F; OTTHUMP00000019925; OTTHUMP00000019926; peptidyl-prolyl cis-trans isomerase, mitochondrial
Gene ID	10105
mRNA Refseq	NM_005729
Protein Refseq	NP_005720
MIM	604486
UniProt ID	P30405

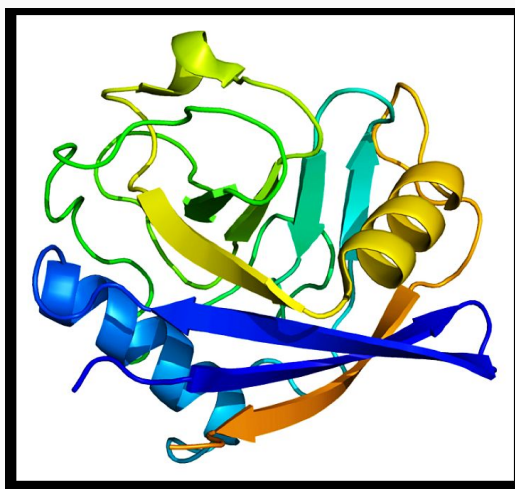
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Chromosome Location	10q22-q23
Pathway	Toxoplasmosis
Function	cyclosporin A binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity

PDB rendering
based on 2bit



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