

Cyclophilin F Active Protein | PPIF active protein

Cyclophilin F (PPIF), 30-207aa, Human, His tag, E Coli (Bioactivity Validated)

CATALOG # AAA48516	HOST E Coli	APPLICATIONS SDS-Page
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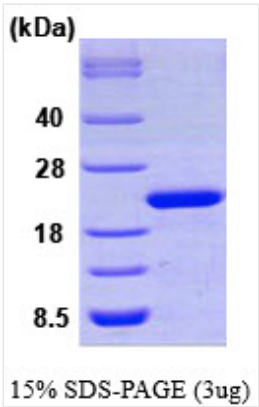
PRODUCT SYNONYMS

Cyclophilin F; Cyclophilin F (PPIF); 30-207aa; Human; His tag; E Coli (Bioactivity Validated); Peptidylprolyl isomerase F; CYP3; Cyp-D; PPIF; Peptidylprolyl isomerase F Cyclophilin 3; Cyclophilin D; Cyp D; CypD; hCyp3; Peptidylprolyl isomerase F (cyclophilin F); Peptidyl prolyl cis trans isomerase; mitochondrial; PPIase; Rotamase.; PPIF active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS PAGE
Form/Format	Liquid in 20mM Tris pH 7.5, 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MCSKSGSDPS SSSSSGNPLV YLDVDANGKP LGRVVLELKA DVVPKTAENF RALCTGEKGF GYKGSTFHRV IPSFMCQAGD FTNHNGTGKK SIYGSFRPDE NFTLKHVGPV VLSMANAGPN TNGSQFFICT IKTDWLDGKH VVFGHVKEGM DVVKKIESFG SKSGRTSKKI VITDCGQLS
Sequence Length	207
Applicable Applications for PPIF active protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity	Specific activity is > 900 nmol/min/mg, and is defined as the amount of enzyme that cleaves 1nmole of suc-AAFP-PNA per minute at 37C in Tris-HCl pH 8.0 using chymotrypsin.
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PPIF active protein	Cyclophilin F (also known as Peptidylprolyl isomerase F, PPIF) is a member of peptidyl-prolyl cis-trans isomerase family. They are highly-conserved cytoplasmic enzymes that accelerate protein folding. 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 apoptotic and necrotic cell death. Recombinant PPIF protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PPIF active protein	Enzymes & Proteases
References	Bergsma DJ., et al. (1991) J Biol Chem. 266 (34):23204-14.; Bowles KR., et al. (2000) Genomics 67 (2):109-27.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031987
NCBI GeneID	10105
NCBI Accession #	NP_005720
NCBI GenBank Nucleotide #	NM_005729.3
UniProt Accession #	P30405; Q2YDB7; Q5W131
Molecular Weight	21.1 kDa (199aa), confirmed by MALDI-TOF.
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase F, mitochondrial
NCBI Official Synonym Full Names	peptidylprolyl isomerase F
NCBI Official Symbol	PPIF
NCBI Official Synonym Symbols	CYP3; CypD; CyP-M; Cyp-D
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase F, mitochondrial
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase F, mitochondrial
UniProt Gene Name	PPIF
UniProt Synonym Gene Names	CYP3; PPlase F; CyP-D; CypD; CyP-M

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.