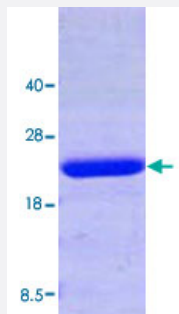


Bioactive

PPIF (Human) Recombinant Protein

Catalog # P3472 Size 100 ug

Applications



Specification

Product Description	Human PPIF (NP_005720, 30 a.a. - 207 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHCSKGSDDPSSSSSSGNPLVYLDVDANGKPLGRVVLELKADV PKTAENFRALCTGEKGFYKGSTFHRVIPSFMCQAGDFTNHNGTGKSIYGSRFPDENFTLKHV PGVLSMANAGPNTNGSQFFICTIKTDWLDGKHVVFQHVKEGMDVVKKIESFGSKSGRTSKKMITD CGQLS
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	21
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Activity	Specific activity is > 250 nmoles/min/ug, and is defined as the amount of enzyme that cleaves 1umol e of suc-AAFP-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin.
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris, pH 7.5 (1 mM DTT, 10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — PPIF

Entrez GeneID	10105
Protein Accession#	NP_005720
Gene Name	PPIF
Gene Alias	CYP3, Cyp-D, FLJ90798, MGC117207
Gene Description	peptidylprolyl isomerase F
Omim ID	604486
Gene Ontology	Hyperlink
Gene Summary	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 apoptotic and necrotic cell death. [provided by RefSeq]
Other Designations	OTTHUMP00000019925 PPIase cyclophilin 3 cyclophilin D cyclophilin F peptidyl-prolyl cis-trans isomerase, mitochondrial rotamase

Disease

- [Alzheimer Disease](#)

- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)