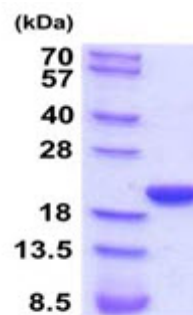


AR51949PU-S

Rat Cyclophilin F (30-206, His-tag) - Purified

Alternate names:	CYP3, PPIF, PPlase F, Rotamase F, mitochondrial Peptidyl-prolyl cis-trans isomerase
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by absorbance at 280nm)
Background:	Ppif also known as Peptidyl-prolyl cis-trans isomerase F, mitochondrial. Ppif accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and involved in regulation of the mitochondrial permeability transition pore (mPTP). It is proposed that its association with the mPTP is masking a binding site for inhibiting inorganic phosphate (Pi) and promotes the open probability of the mPTP leading to apoptosis or necrosis the requirement of the PPlase activity for this function is debated.
Uniprot ID:	P29117
NCBI:	NP_758443
GeneID:	282819
Species:	Rat
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT.
Description:	Recombinant rat Ppif was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSCSDGGAR GANSSSQNPL VYLDVGADGQ PLGRVVLELK ADVVPKTAEN FRALCTGEKG FGYKGSTFHR VIPAFMCQAG DFTNHNGTGG KSIYGSRFPD ENFTLKHVGP GVLSMANAGP NTNGSQFFIC TIKTDWLDGK HVVFGHVKEG MDVVKKIESF GSKSGKTSKK IVITDCGQLS Molecular weight: 21.2 Da (200aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Connern C.P., et al. (1992) Biochem. J. 284:381-385. Lin DT., et al. (2002) J Biol Chem. 277(34):31134-41.

Pictures:



15% SDS-PAGE (3ug)