



Recombinant Rat Peptidyl-prolyl cis-trans isomerase F, mitochondrial (Ppif)

Product Code	CSB-EP018476RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P29117
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	C SDGGARGANS SSQNPLVYLD VGADGQPLGR VVLELKADV PKTAENFRAL CTGEKGFYK GSTFHRVIPA FMCQAGFTN HNGTGGKSIY GSRFPDENFT LKHVGPVLS MANAGPNTNG SQFFICTIKT DWLDGKHVVV GHVKEGMDVV KKIESFGSKS GKTSKKIVIT DCGQLS
Source	E.coli
Target Names	Ppif
Protein Names	Recommended name: Peptidyl-prolyl cis-trans isomerase F, mitochondrial Short name= PPlase F EC= 5.2.1.8 Alternative name(s): Cyclophilin F Rotamase F
Expression Region	30-206
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a member of the peptidyl-prolyl cis-trans isomerase (PPlase) family. PPlases 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.