

Recombinant Mouse Ppia Protein

Cat. No. Ppia-872M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ppia Protein (Met1-Leu164) was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-164 a.a.
Description	Peptidyl-prolyl cis-trans isomerase A is a cytoplasm protein which belongs to the cyclophilin-type PPlase family and PPlase A subfamily. Cyclophilins(CyPs) are a family of proteins found in organisms ranging from prokaryotes to humans. These molecules exhibit peptidyl-prolyl isomerase activity, suggesting that they influence the conformation of proteins in cells. Cyclophilin A accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Cyclophilin A can interact with several HIV proteins, including p55 gag, Vpr, and capsid protein, and has been shown to be necessary for the formation of infectious HIV virions.
Form	Supplied as a 0.2 µm filtered solution of PBS, 10%glycerol, pH7.4.
AA Sequence	MVNPTVFFDITADDEPLGRVSFELFADKVPKTAENFRALSTGEKGFYKGSSFHRIIP GFMCQGG DFTRHNGTGGRSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFI CTAKTEWLDGKHVVFVGVKKEGMNIVEAMERFGSRNGKTSKKITISDCGQL
Endotoxin	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.

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Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
GENE INFORMATION	
Gene Name	Ppia peptidylprolyl isomerase A [Mus musculus]
Official Symbol	Ppia
Synonyms	PPIA; peptidylprolyl isomerase A; peptidyl-prolyl cis-trans isomerase A; SP18; PPlase A; rotamase A; cyclophilin A; cyclosporin A-binding protein; Cphn; CypA; CyP-18; 2700098C05;
Gene ID	268373
mRNA Refseq	NM_008907
Protein Refseq	NP_032933
UniProt ID	P17742

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