Cyclophilin A Protein, Mouse (His)

Cat. No.:	HY-P74212
Synonyms:	Peptidyl-prolyl cis-trans isomerase A; PPIase A; SP18; PPIA; CYPA
Species:	Mouse
Source:	E. coli
Accession:	NP_032933.1 (M1-L164)
Gene ID:	268373
Molecular Weight:	Approximately 18.94 kDa

PROPERTIES

AA Sequence	M V N P T V F F D I T A D D E P L G R V S F E L F A D K V P K T A E N F R A L S T G E K G F G Y K G S S F H R I I P G F M C Q G G D F T R H N G T G G R S I Y G E K F E D E N F I L K H T G P G I L S M A N A G P N T N G S Q F F I C T A K T E W L D G K H V V F G K V K E G M N I V E A M E R F G S R N G K T S K K I T I S D C G Q L
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of PBS, pH 7.4, 10% glycerol or 20 mM PB, 150 mM NaCl, 10% Glycerol, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Cyclophilin A (PPIA) protein exhibits integrin binding activity and peptidyl-prolyl cis-trans isomerase activity. This versatile protein is involved in platelet aggregation and plays a role upstream of processes related to neuron differentiation. Cyclophilin A is located in the extracellular space and the myelin sheath, contributing to its functional diversity. The gene encoding this protein shows ubiquitous expression in various tissues, including the liver, central nervous system, and numerous other structures during early developmental stages. Implications of the human ortholog PPIA include its association with cholangiocarcinoma and human immunodeficiency virus infectious disease. This broad expression pattern

	suggests Cyclophilin A's involvement in fundamental cellular processes across multiple tissues.

Caution: Product has not been fully validated for medical applications. For research use only.

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