

Datasheet for ABIN7197305

PPIA Protein (His tag)

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Overview

Quantity:	100 µg
Target:	PPIA
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPIA protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Cyclophilin A Protein (His Tag)
Sequence:	Met 1-Leu 164
Characteristics:	A DNA sequence encoding the mouse PPIA (NP_032933.1) (Met 1-Leu 164) was expressed, with a polyhistide tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE

Target Details

Target:	PPIA
Alternative Name:	Cyclophilin A (PPIA Products)
Background:	Background: Peptidyl-prolyl cis-trans isomerase A, also known as PPIase A, Rotamase A, Cyclophilin A, Cyclosporin A-binding protein, PPIA and CYPA, is a cytoplasm protein which belongs to the cyclophilin-type PPIase family and PPIase A subfamily. Cyclophilins (CyPs) are a family of proteins found in organisms ranging from prokaryotes to humans. These molecules

Target Details

exhibit peptidyl-prolyl isomerase activity, suggesting that they influence the conformation of proteins in cells. PPIA / Cyclophilin A accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIA / Cyclophilin A is secreted by vascular smooth muscle cells in response to inflammatory stimuli, and could thus contribute to atherosclerosis. It is not essential for mammalian cell viability. PPIA / 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.

Synonym: 2700098C05 Protein, Mouse;Cphn Protein, Mouse;CyP-18 Protein, Mouse;CypA Protein, Mouse

Molecular Weight: 18.8 kDa

NCBI Accession: [NP_032933](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.