



Recombinant Protein Technical Manual

Recombinant Mouse Cyclophilin A Protein

RPES0284

Product Data:

Product SKU: RPES0284

Size: 10µg

Species: Mouse

Expression host: E. coli

Uniprot: NP_032933.1

Protein Information:

Molecular Mass: 18 kDa

AP Molecular Mass: 16 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of PBS, 10% glycerol, pH 7.4

Reconstitution: Please refer to it for detailed information.

Application:

Synonyms: Peptidyl-prolyl cis-trans isomerase A; PPIase A; Cyclophilin A; Cyclosporin A-binding protein; Rotamase A; SP18; PPIA; CYPA

Immunogen Information:

Sequence: Met1-Leu164

Background:

Peptidyl-prolyl cis-trans isomerase A 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 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.