Product Name: Recombinant Human Cyclophilin A (C-6His)
Catalog #: PEH2420

Summary

Name	Cyclophilin A/PPIA/Peptidyl-prolyl cis-trans isomerase A
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Peptidyl-prolyl cis-trans isomerase A is produced by our E.coli expression system and the target gene encoding Val2-Glu165 is expressed with a 6His tag at the C-terminus.
Accession #	P62937
Host	E.coli
Species	Human
Predicted Molecular Mass	18.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, 1mM DTT, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	0.00.0

SDS-PAGE image

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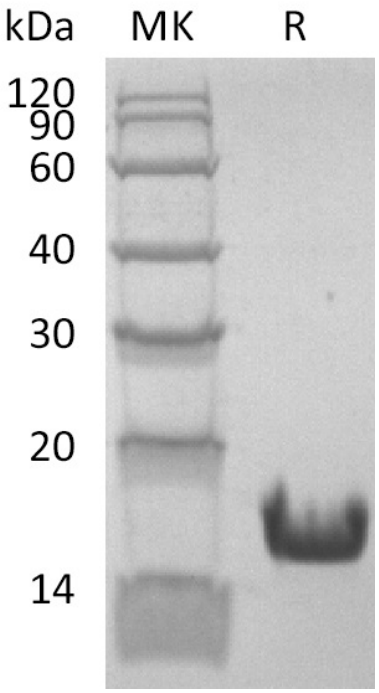

Alternative Names

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

Background

Cyclophilin A, also known as peptidylprolyl isomerase A (PPIA), is an 18 kDa protein that catalyzes cis-trans isomerization at proline imidic peptide bonds, thereby promoting protein folding/trafficking and regulating protein activity. Cyclophilin A has multiple known functions in inflammation. Intracellularly, cyclophilin A interacts with interleukin (IL)-2 inducible T cell kinase (ITK) to tune T cell receptor signaling. Extracellularly, cyclophilin A is known to function as a leukocyte chemotactic factor. Cells secrete cyclophilin A by a vesicular secretory pathway in response to lipopolysaccharide and oxidative stress, or cyclophilin A may be released during cell death. Cyclophilin A influences inflammatory responses through its actions on immune activation and/or leukocyte trafficking.

Note

For Research Use Only , Not for Diagnostic Use.