

Cyclophilin-A Active Protein | PPIA active protein

Recombinant Human Cyclophilin-A

CATALOG # AAA38559	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Cyclophilin-A; Recombinant Human Cyclophilin-A; Cyclophilin A Human; Cyclophilin-A Human Recombinant; Peptidylprolyl isomerase A; CYPA; CYPH; MGC12404; MGC23397; MGC117158; PPIase A; Rotamase A; PPIA; Peptidyl-prolyl cis-trans isomerase A; EC 5.2.1.8; Cyclophilin A; Cyclosporin A-binding protein; PPIA active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	1 mg/ml solution containing 20mM Tris-HCl 8.0, 20mM NaCl, 0.5mM DTT and 10% glycerol. Sterile filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMVN PTVFFDIAVD GEPLGRVSFE LFADKVPKTA ENFRALSTGE KGFGYKGSCF HRIIPGFMQ GGDFTRHNGT GGKSIYGEKF EDENFILKHT GPGILSMANA GPNTNGSQFF ICTAKTEWLD GKHVVFQKVK EGMNIVEAME RFGSRNGKTS KKITIADCGQ LE
Sequence Length	105
Biological Activity	Specific activity is > 270 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

ADDITIONAL INFORMATION

Related Product Information for PPIA active protein	Description: Cyclophilin-A Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 185 amino acids (1-165 a.a.) and having a molecular mass of 20 kDa. PPIase-A is purified by proprietary chromatographic techniques. Introduction: PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. Cyclophilin-A is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. Cyclophilin-A can also 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. Multiple pseudogenes that map to different chromosomes have been reported.
Product Categories/Family for PPIA active protein	Enzymes; Cyclophilin

NCBI AND UNIPROT INFORMATION

NCBI GI #	665821274
NCBI GeneID	5478
NCBI Accession #	NP_001287910.1
NCBI GenBank Nucleotide #	NM_001300981.1
UniProt Accession #	P62937; P05092; Q3KQW3; Q567Q0; Q6IBU5; Q96IX3; Q9BRU4; Q9BTY9; Q9UC61; A8K220
Molecular Weight	11,418 Da

NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase A isoform 2
NCBI Official Synonym Full Names	peptidylprolyl isomerase A (cyclophilin A)
NCBI Official Symbol	PPIA
NCBI Official Synonym Symbols	CYPA; CYPH; HEL-S-69p
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase A; PPIase A; T cell cyclophilin; cyclosporin A-binding protein; epididymis secretory sperm binding protein Li 69p; rotamase A
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase A
UniProt Gene Name	PPIA
UniProt Synonym Gene Names	CYPA; PPIase A
UniProt Entry Name	PPIA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/cyclophilin-a/38559>