

## Peptidylprolyl isomerase A (PPIA) Recombinant Protein | PPIA recombinant protein

Recombinant Human Peptidylprolyl isomerase A (PPIA) Protein

|                              |                       |                                            |
|------------------------------|-----------------------|--------------------------------------------|
| CATALOG #<br><b>AAA55958</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|------------------------------|-----------------------|--------------------------------------------|

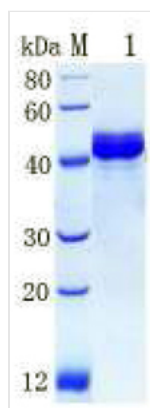
### PRODUCT SYNONYMS

Peptidylprolyl isomerase A (PPIA); Recombinant Human Peptidylprolyl isomerase A (PPIA) Protein; PPIase A; CYPA; Cyclophilin A; Rotamase A; PPIA; PPIA recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                                                                                                                                           |
| Purity/Purification                                  | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                                |
| Form/Format                                          | 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, 100 mM GSH, pH 8.0, with 15% glycerol.                                                                                                                                                             |
| Concentration                                        | 0.5 mg/mL (varies by lot)                                                                                                                                                                                                                                                                        |
| Sequence Positions                                   | 1-165                                                                                                                                                                                                                                                                                            |
| Sequence                                             | MVNPTVFFDI AVDGEPLGRV SFELFADKVP KTAENFRALS TGEKGFGYKG SCFHRIIPGF MCQGGDFTRH<br>NGTGGKSIYG EKFEDEFIL KHTGPGILSM ANAGPNTNGS QFFICTAKTE WLDGKHVVFG KVKEGMNIVE<br>AMERFGSRNG KTSKKITIAD CGQLE                                                                                                       |
| Applicable Applications for PPIA recombinant protein | ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                         |
| Source                                               | Human                                                                                                                                                                                                                                                                                            |
| Tag Information                                      | N-terminal GST-tag.                                                                                                                                                                                                                                                                              |
| Usage                                                | PPIA Protein - Centrifuge the standard vial at 6000-10000rpm for 30s.                                                                                                                                                                                                                            |
| Preparation and Storage                              | Storage:<br>Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. **Avoid repeated freeze-thaw cycles.**<br>Stability: The recombinant protein is stable for up to 6-12 months from date of receipt at -80°C. |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PPIA recombinant protein | Background: Peptidylprolyl isomerase A also known as cyclophilin A or rotamase A is an enzyme that in humans is encoded by the PPIA gene. This gene encodes a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. The encoded protein is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. The protein 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. |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                 | Predicted MW: 44 kDa<br>Observed MW: 44 kDa                                    |
| NCBI Official Full Name          | peptidyl-prolyl cis-trans isomerase A isoform 2                                |
| NCBI Official Synonym Full Names | peptidylprolyl isomerase A                                                     |
| NCBI Official Symbol             | PPIA                                                                           |
| NCBI Official Synonym Symbols    | CYPA; CYPH; HEL-S-69p                                                          |
| NCBI Protein Information         | peptidyl-prolyl cis-trans isomerase 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.