



# Recombinant Cat Peptidyl-prolyl cis-trans isomerase A (PPIA)

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-YP815495CA   |
| <b>Abbreviation</b>      | PPIA   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q8HXS3   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Felis catus (Cat) (Felis silvestris catus)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MVNPIVFFDI AVDGEPLGRV SFDLFADKVP KTAENFRALS TGEKGFYKYG<br>SCFHRIIPGF MCQGGDFTRH NGTGGKSIYG EKFDDEFIL KHTGPGILSM<br>ANAGPNTNGS QFFICTAKTE WLDGKHVVFG MVKEGMNIVE AMERFGSRNG<br>KTSKKITIAD CGQI   |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | PPIA   |
| <b>Protein Names</b>     | Recommended name: Peptidyl-prolyl cis-trans isomerase A Short name= PPIase A EC= 5.2.1.8 Alternative name(s): Cyclophilin A Cyclosporin A-binding protein Rotamase A   |
| <b>Expression Region</b> | 1-164  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Target Details</b>    | 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 accelerate 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. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final   |



concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.