

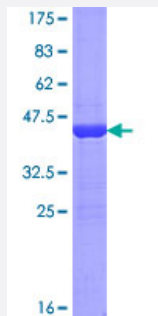
Full-Length

PPIA (Human) Recombinant Protein (P02)

Catalog # H00005478-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PPIA full-length ORF (NP_001008741.1, 1 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVNPTVFFDIAVDGEPLGRVSFELFADKVPKTAENFRALSTGEKGFGYKGSCFHRIPGFMCQGG
DFTRHNGTGGKSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFICTAKTEWLDGKHVVFGK
VKEGMNIVEAMERFGSRNGKTSKKITIADCGQLD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

44.4

Interspecies Antigen Sequence

Mouse (96); Rat (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PPIA

Entrez GeneID [5478](#)

GeneBank Accession# [NM_001008741.1](#)

Protein Accession# [NP_001008741.1](#)

Gene Name PPIA

Gene Alias CYPA, CYPH, MGC117158, MGC12404, MGC23397

Gene Description peptidylprolyl isomerase A (cyclophilin A)

Omim ID [123840](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000025305|PPIase A|T cell cyclophilin|cyclosporin A-binding protein|peptidyl-prolyl cis-trans isomerase A|peptidylprolyl isomerase A|rotamase A

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Atherosclerosis](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Myocardial Infarction](#)