

## PPID Protein, Human, Recombinant (His)

## General Information

|                       |  |
|-----------------------|--|
| Synonyms:             | Cyclophilin-40;CYPD;Peptidyl-Prolyl Cis-Trans Isomerase D;Rotamase D;40 kDa Peptidyl-Prolyl Cis-Trans Isomerase;CYP-40;CYP40;PPIase D;Cyclophilin-Related Protein;PPID |
| Protein Construction: | Met1-Ala370  |
| Species:              | Human  |
| Expression Host:      | E. coli  |
| Accession:            | Q08752   |
| Molecular Weight:     | 40 KDa (reducing condition)  |
| AA Sequence:          | Met1-Ala370  |

## QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | Greater than 95% as determined by reducing SDS-PAGE. (QC verified)  |
| Endotoxin:           | < 0.1 ng/μg (1 EU/μg) as determined by LAL test.  |
| Formulation:         | Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH 7.4.  |

## Preparation and Storage

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

## Shipping:

Proteins are shipped with blue ice.

## Protein Background

Peptidyl-Prolyl Cis-Trans Isomerase D (PPID) belongs to the cyclophilin-type PPIase family and PPIase D subfamily. PPID is widely expressed and it contains one PPIase cyclophilin-type domain and three TPR repeats. PPID catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerates the folding of proteins. PPID can bind to the immunosuppressant cyclosporine A and is known that its overexpression suppresses the apoptosis in cancer cells.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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