

Recombinant Human peptidylprolyl isomerase D Protein, His tagged

Cat. No. PPID-101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPID protein (Q08752) (Gly 197-Ala 370) with a His tag at the C-terminus was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	197-370aa
Description	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding. Proposed to act as a co-chaperone in HSP90 complexes such as in unligated steroid receptors heterocomplexes. Different co-chaperones seem to compete for association with HSP90 thus establishing distinct HSP90-co-chaperone-receptor complexes with the potential to exert tissue-specific receptor activity control. May have a preference for estrogen receptor complexes and is not found in glucocorticoid receptor complexes. May be involved in cytoplasmic dynein-dependent movement of the receptor from the cytoplasm to the nucleus. May regulate MYB by inhibiting its DNA-binding activity. Involved in regulation of AHR signaling by promoting the formation of the AHR:ARNT dimer; the function is independent of HSP90 but requires the chaperone activity. Involved in regulation of UV radiation-induced apoptosis. Promotes cell viability in anaplastic lymphoma kinase-positive anaplastic large-cell lymphoma (ALK+ ALCL) cell lines.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Tag	C-His
Molecular Mass	21.1 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	PPID peptidylprolyl isomerase D [Homo sapiens (human)]
Official Symbol	PPID
Synonyms	PPID; peptidylprolyl isomerase D; peptidylprolyl isomerase D (cyclophilin D); peptidyl-prolyl cis-trans isomerase D; cyclophilin 40; CYP 40; PPIase D; rotamase D; cyclophilin D; cyclophilin-40; cyclophilin-related protein; 40 kDa peptidyl-prolyl cis-trans isomerase D; CYPD; CYP-40; MGC33096;
Gene ID	5481
mRNA Refseq	NM_005038

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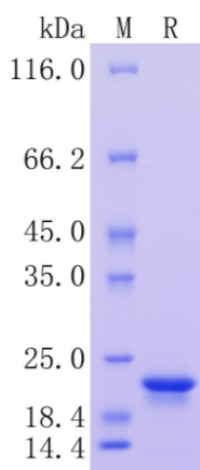
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Protein Refseq NP_005029

MIM 601753

UniProt ID Q08752

**Protein on SDS-
PAGE under
reducing (R)
condition.**



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