

PPIL2 Protein, Human (His)

Cat. No.:	HY-P77151
Synonyms:	RING-type E3 ubiquitin-protein ligase PPIL2; CYC4; Cyp60; Rotamase PPIL2
Species:	Human
Source:	E. coli
Accession:	Q13356-2 (G280-P457)
Gene ID:	23759
Molecular Weight:	Approximately 24 kDa

PROPERTIES

AA Sequence	<p> G Y V R L H T N K G D L N L E L H C D L T P K T C E N F I R L C K K H Y Y D G T I F H R S I R N F V I Q G G D P T G T G T G G E S Y W G K P F K D E F R P N L S H T G R G I L S M A N S G P N S N R S Q F F I T F R S C A Y L D K K H T I F G R V V G G F D V L T A M E N V E S D P K T D R P K E E I R I D A T T V F V D P Y E E A D A Q I A Q E R K T Q L K V A P </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>PPIL2, known for its ubiquitin-protein ligase activity, functions as both an E3 ubiquitin protein ligase and an ubiquitin-ubiquitin ligase, facilitating the elongation of ubiquitin chains on substrates. Through the mediation of 'Lys-48'-linked polyubiquitination, it has the potential to target proteins for proteasomal degradation. Additionally, PPIL2 may operate as a chaperone, contributing to the transport of proteins like BSG/Basigin to the cell membrane. Despite its ubiquitin ligase function, PPIL2 is likely an inactive peptidyl-prolyl cis-trans isomerase. As part of the minor spliceosome, PPIL2 plays a role in the splicing of U12-type introns in pre-mRNAs, indicating its involvement in the intricate process of RNA splicing.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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