

Human Recombinant PPIL2

CATALOG #: 6325-50 50 µg

ALTERNATE NAMES: Peptidyl-prolyl cis-trans isomerase-like 2, CYC4, Cyp-60, CYP60, hCyP-60, GC33174.

SOURCE: E.Coli

PURITY: > 95% by SDS - PAGE

MOL. WEIGHT: 61.6 kDa (547 aa – 1-527 aa + His Tag).

FORMULATION: 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol and 0.1 M NaCl.

STORAGE CONDITIONS:

Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION:

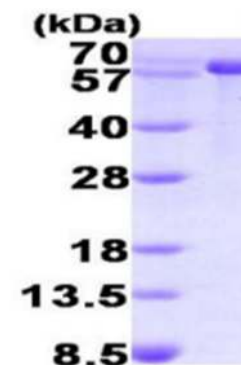
Peptidyl-prolyl cis-trans isomerase-like 2 in humans is encoded by the PPIL2 gene. This gene is a member of the cyclophilin family of peptidylprolyl isomerases. The cyclophilins are a highly conserved ubiquitous family, members of which play an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. This protein interacts with the proteinase inhibitor eglin c and is localized in the nucleus.

AMINO ACID SEQUENCE:

MGSSHHHHHH SSGLVPRGSH MGKRQHQQDK MYITCAEYTH FYGGKPDLP
 QTNFRRLPFD HCSLSLQPFV YPVCTPDGIV FDLLNIVPWL KKYGTNPSNG EKLDGRSLIK
 LNFSKNSEGG YHCPVLFTVF TNNTHIVAVR TTGNVYAYEA VEQLNIKAKN FRDLLTDEPF
 SRQDIITLQD PTNLDFNVS NFYHVKNNMK IIDPDEEKAK QDPSYYLKNT NAETRETLQE
 LYKEFKGDEI LAATMKAPEK KKVDKLNAAH YSTGKVSASF TSTAMPVETT HEAAAIDEDV
 LRYQFVKKKG YVRLHTNKGD LNLELHCDLT PKTCENFIRL CKKHYYDGTI FHR SIRNFVI
 QGGDPTGTGT GGESYWGKPF KDEF RPNLSH TGRGILSMAN SGPNSNRSQF
 FITFRSCAYL DKKHTIFGRV VGGFDVLTAM ENVESDPKTD RPKEEIRIDA
 TTVFVDPYEE ADAQIAQERK TQLKVAPETK VKSSQPQAGS QGPQTFRQGV
 GKYINPAATE QQRKSPQVP LSPCRRSPV GVLGTSAPGS SRLPDDH

BIOLOGICAL ACTIVITY:

Specific activity is > 290 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 µmole of Suc-AAFP-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin.



15% SDS-PAGE (3µg)

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RELATED PRODUCTS:

- Cyclosporine A (Cat. No. 1522-100, 1G)
- Human Recombinant Cyclophilin B (Cat. No. 6310-100)
- Human Recombinant Cyclophilin A (Cat. No. 6311-100)
- Human Recombinant Cyclophilin D (Cat. No. 6312-100)
- Human Recombinant Cyclophilin H (Cat. No. 6313-100)
- Human Recombinant Cyclophilin E (Cat. No. 6314-100)
- Human Recombinant Cyclophilin F (Cat. No. 6315-100)
- Human Recombinant PPIL1 (Cat. No. 6317-100)
- Human Recombinant PPIL3 (Cat. No. 6326-100)
- Human Recombinant PPIL4 (Cat. No. 6327-50)

FOR RESEARCH USE ONLY! Not to be used in humans.

