

Recombinant human Cyclophilin-like 2/PPIL2 protein

Catalog Number: ATGP0498

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-527aa

UniProt No.

Q13356

NCBI Accession No.

NP_680481.1

Alternative Names

UBOX7, U-box domain containing 7, RING-type E3 ubiquitin-protein ligase PPIL2, PPIase, Peptidylprolyl isomerase like 2, Peptidyl-prolyl cis-trans isomerase-like 2, hCyp-60, Cyp60, Cyclophilin-like protein Cyp-60, Cyclophilin-60, CYC4

PRODUCT SPECIFICATION

Molecular Weight

61.6 kDa (547aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl

Purity

> 90% by SDS-PAGE

Biological Activity

Specific activity is > 290nmol/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAPF-pNA per minute at 37C in Tris-Hcl pH8.0 using chymotrypsin..

Tag

His-Tag

Application

SDS-PAGE, Enzyme Activity

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PPIL2, which belongs to the cyclophilin family of peptidylprolyl isomerases, is an enzyme that plays an important

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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. Recombinant PPIL2 protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MGKRQHQQDK MYITCAEYTH FYGGKKPDLP QTNFRRLPFD HCSLSLQPFV YPVCPTDGIV FDLLNIVPWL KKYGTNPSNG EKLDGRSLIK LNFSKNSEK YHCPVLFTVF TNNTHIVAVR TTGNVYAYEA VEQLNIKAKN FRDLLTDEPF SRQDIITLQD PTNLDFNVS NFYHVKNMNMK IIDPDEEKAK QDPSYLLKNT NAETRETLQE LYKEFKGDEI LAATMKAPEK KKVDKLNAAH YSTGKVSASF TSTAMPETT HEAAAIDEDV LRYQFVKKKG YVRLHTNKGD LNLELHCDLT PKTCENFIRL CKKHYYDGTI FHRSIRNFVI QGGDPTGTGT GGESYWGKPF KDEFRPNLSH TGRGILSMAN SGPNSNRSQF FITFRSAYL DKKHTIFGRV VGGFDVLTAM ENVESDPKTD RPKKEIRIDA TTVFVDPYEE ADAQIAQERK TQLKVAPETK VKSSQPQAGS QGPQTFRQGV GKYINPAATE QQRKSPQVVP LSPCPRRSPV GVLGTSAPGS SRLPDDH

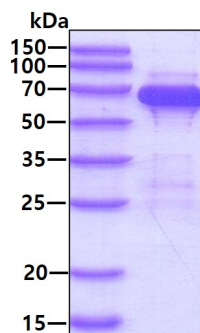
General References

Wang BB, et al. (1996) *Biochem J.* 314:313-9.

Carson R, et al. (2009) *Neuromolecular Med.* 11(4):337-44.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.