

Human Recombinant PPIL4

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| CATALOG #: | 6327-50 | 50 µg |
| ALTERNATE NAMES: | Peptidyl-prolyl cis-trans isomerase-like 4, HDCME13P, Rotamase PPIL4, Cyclophilin-like protein PPIL4. | |
| SOURCE: | E.Coli | |
| PURITY: | > 85% by SDS - PAGE | |
| MOL. WEIGHT: | 59.4 kDa (512 aa – 1-492 aa + His Tag (NT)). | |
| FORMULATION: | 0.5 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT 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:

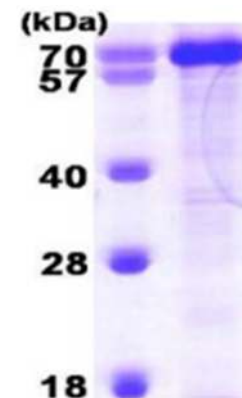
PPIL4 is an evolutionarily conserved member of the cyclophilin-type PPlase family of proteins. Ubiquitously expressed with predominant expression in kidney, PPIL4 localizes to the nucleus and contains one PPlase cyclophilin-type domain, a lysine-rich domain, a pair of bipartite nuclear targeting sequences and one RRM (RNA recognition motif) domain. The presence of the RRM domain along with nuclear targeting sequences suggests that PPIL4 may be involved in transcriptional regulation.

AMINO ACID SEQUENCE:

MGSSHHHHHH SGLVPRGSH MAVLLETTLG DVVIDLYTEE RPRACLNFLK LCKIKYYNYC
 LIHNVQRDFI IQTGDPTGTG RGGESIFGQL YGDQASFFEA EKVPRIKHKK KGTVMVNNNG
 SDQHGSQFLI TTGENLDYLD GVHTVFGEVT EGMDIKKIN ETFVDKDFVP YQDIRINHVT
 ILDDPFDDPP DLLIPDRSPE PTREQLDSGR IGADEEIDDF KGRSAEEVEE IKAKEAKTQ
 AILLEMVGD L PDADIKPPEN VLFVCKLNPV TTDEDLEIF SRFGPIRSCE VIRDWKTGES
 LCYAFIEFEK EEDCEKAFFK MDNVLIDRR IHVDFSQSVK VVKWKGKGGK YTKSDFKEYE
 KEQDKPPNLV LKDKVKPKQD TKYDLILDEQ AEDSKSSHSH TSKKHKKKTH HCSEEKEDD
 YMPIKNTNQD IYREMGFGHY EEEESCWEKQ KSEKRDRQTQN RSRRSRERD
 GHYSNSHKSK YQTDLYERER SKKRDRSRSP KSKDKKESK YR

BIOLOGICAL ACTIVITY:

Specific activity is > 190 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 PPIL2 (Cat. No. 6325-50)
- Human Recombinant PPIL3 (Cat. No. 6326-100)

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