

PPIL2 Human

Description: PPIL2 Human Recombinant fused to 20 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 547 amino acids (1-527 a.a.) and having a molecular mass of 61.6 kDa. The PPIL2 is purified by proprietary chromatographic techniques.

Catalog #: ENPS-504

For research use only.

Synonyms: CYC4, Cyp-60, CYP60, hCyp-60, Peptidyl-prolyl cis-trans isomerase-like 2, PPIase, Rotamase PPIL2, Cyclophilin-60, Cyclophilin-like protein Cyp-60, PPIL2, MGC787, FLJ39930, MGC33174.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGKRQHQQDK MYITCAEYTH
FYGGKKPDL P QTNFRRLPFD HCSSLQPFV YPVCTPDGIV FDLLNIVPWL KKYGTNPSNG
EKLDGRSLIK LNFSKNSE GK YHCPVLFTVF TNNTHIVAVR TTGNVYAYEA VEQLNIKAKN
FRDLLTDEPF SRQDIITLQD PTNLDFKFNVS NFYHVKNMNMK IIDPDEEKAK QDPSYYLKNT
NAETRETLQEYKE

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The PPIL2 solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.

Stability:

PPIL2 Recombinant Human although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

PPIL2 is part of the cyclophilin family of peptidylprolyl isomerases which are highly conserved ubiquitous proteins that play an important role in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. PPIL2 interacts with the proteinase inhibitor eglin c and is localized in the nucleus. PPIL2 increases folding of proteins and catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.

Biological Activity:

Specific activity is > 290 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

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