

PPIL4 Human

Description: PPIL4 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 512 amino acids (1-492 a.a.) and having a molecular mass of 59.4kDa. The PPIL4 is purified by proprietary chromatographic techniques.

Catalog #: ENPS-033

For research use only.

Synonyms: Peptidyl-prolyl cis-trans isomerase-like 4, PPlase, Cyclophilin-like protein PPIL4, Rotamase PPIL4, PPIL4, HDCME13P.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAVLLETTLG DVVIDLYTEE
RPRACLNLFLK LCKIKYYNYC LIHNVQRDFI IQTGDPTGTG RGGESIFGQL YGDQASFFEA
EKVPRIKHKK KGTVMVNNG SDQHGSQFLI TTGENLDYLD GVHTVFGEVT EGMDIIKKIN
ETFVDKDFVP YQDIRINH TV ILDDPFDDPP DLLIPDRSPE PTREQLDSGR IGADEEIDDF
KGRSAEEVEE IK

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:

The PPIL solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

Stability:

PPIL4 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent 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:

PPIL4 belongs to an evolutionarily conserved cyclophilin-type PPlase family of proteins. PPIL4, which is ubiquitously expressed with predominant expression in kidney 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 implies that PPIL4 may be involved in transcriptional regulation.

Biological Activity:

Specific activity is > 190 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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