

PPIL1 Human

Description: PPIL1 Human Recombinant protein produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 174 amino acids (1-166) and having a molecular mass of 19.3 kDa. PPIL1 is fused to 8 amino acid His Tag at C-terminus and is purified by proprietary chromatographic techniques.

Catalog #: ENPS-395

For research use only.

Synonyms: Peptidyl-Prolyl Cis-Trans Isomerase-Like 1, PPIL-1, CYPL1, hCyPX, MGC678, PPlase, CGI-124, PPIL1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MAAIPDSWQ PPNVYLETSM GIIVLELYWK HAPKTCKNFA
ELARRGYNG TKFHRIKDF MIQGGDPTGT GRGGASIYGK QFEDELHPDL KFTGAGILAM
ANAGPDTNGS QFFVTLAPTQ WLDGKHTIFG RVCQGIGMVN RVGMVETNSQ DRPVDDVKII
KAYPSGLEHH HHHH.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

PPIL1 solution containing 20 mM Tris-HCl buffer (pH 8.0) and 20% glycerol

Stability:

PPIL1 Human Recombinant although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

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

Introduction:

PPIL1 belongs to the cyclophilin family of peptidylprolyl isomerases (PPIases). The cyclophilins are a well conserved, ubiquitous family, members of which take an significant part in protein folding, immunosuppression by cyclosporin A, and infection of HIV-1 virions. PPIL1 protein increases the folding of proteins and catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIL1 is involved in proliferation of cancer cells through modulation of phosphorylation of stathmin. PPIL1 is a novel molecular target for colon-cancer therapy.

Biological Activity:

Specific activity is > 300 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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