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PPIL3 Human

Description:PPIL3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 181 amino acids (1-161 a.a.) and having a molecular mass of 20.3kDa.PPIL3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-181

For research use only.

Synonyms: Peptidyl-prolyl cis-trans isomerase-like 3, PPIase, Cyclophilin J, CyPJ, Cyclophilin-like protein PPIL3, Rotamase PPIL3, PPIL3.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MSVTLHTDVG DIKIEVFCER TPKTCENFLA LCASNYYNGC IFHRNIKGFM VQTGDPTGTG RGGNSIWGKK FEDEYSEYLK HNVRGVVSMA NNGPNTNGSQ FFITYGKQPH LDMKYTVFGK VIDGLETLDE LEKLPVNEKT YRPLNDVHIK DITIHANPFA Q.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
PPIL3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

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

Introduction:
Peptidyl-prolyl cis-trans isomerase-like 3 (PPIL3) belongs to the cyclophilin family which catalyzes the cis-trans isomerization of peptidylprolyl imide bonds in oligopeptides. PPIL3 acts either as catalyst or as molecular chaperone in protein-folding events.

Biological Activity:
Specific activity is > 280 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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