
Product Data Sheet

Product Name: PPIL3 Human
 Cat. No.: GP21535
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Peptidyl-prolyl cis-trans isomerase-like 3; PPIase; Cyclophilin J; CyPJ; Cyclophilin-like protein PPIL3; Rotamase PPIL3; PPIL3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSVTLHTDVG DIKIEVFCER TPKTCENFLA LCASNYNGC IFHRNIKGFV VQTGDPTGTG RGGNSIWGKK FEDEYSEYLN HNVRGVVSMANNGPNTNGSQ FFITYGKQPH LDMKYTVFGK VIDGLETLDLE LKLPVNEKT YRPLNDVHIK DITIHPFA Q.		
Formulation	PPIL3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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