

Product datasheet for AR50055PU-N

Cyclophilin J / PPIL3 (1-161, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins Description: Cyclophilin J / PPIL3 (1-161, His-tag) human recombinant protein, 0.5 mg Species: Human E. coli **Expression Host:** MGSSHHHHHH SSGLVPRGSH MSVTLHTDVG DIKIEVFCER TPKTCENFLA LCASNYYNGC **Expression cDNA Clone** or AA Sequence: IFHRNIKGFM VQTGDPTGTG RGGNSIWGKK FEDEYSEYLK HNVRGVVSMA NNGPNTNGSQ FFITYGKQPH LDMKYTVFGK VIDGLETLDE LEKLPVNEKT YRPLNDVHIK DITIHANPFA Q Tag: His-tag Predicted MW: 20.3 kDa **Concentration:** lot specific **Purity:** >90% by SDS - PAGE **Buffer:** Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT **Bioactivity:** Specific: Specific activity is > 280 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAPF-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin. **Preparation:** Liquid purified protein **Applications:** Protocol: 1. Prepare 170ul assay buffer into a suitable container and pre-chill on ice before use: The final concentrations are 200 mM Tris-Hcl, pH 8.0, and 20nM chymotrypsin. 2. Add 10ul of recombinant PPIL3 protein with 1ug in assay buffer. 3. Mix by inversion and equilibrate to 1C and monitor the A405nm until the value is constant using a spectrophotometer. 4. Add 20ul pre-chilled 5mM suc-AAFP-pNA. (Substrate was dissolved in TFE that contained 460mM LiCl to a concentration of 3 mM) 5. Record the increase in A405 nm for 30 minutes at 25C. Recombinant human PPIL3 protein, fused to His-tag at N-terminus, was expressed in E.coli **Protein Description:** and purified by using conventional chromatography. Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Storage: Avoid repeated freezing and thawing.



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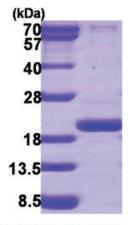
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	Cyclophilin J / PPIL3 (1-161, His-tag) Human Protein – AR50055PU-N
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 115861</u>
Locus ID:	53938
UniProt ID:	<u>Q9H2H8, A0A0S2Z5A8</u>
Cytogenetics:	2q33.1
Synonyms:	CYPJ
Summary:	This gene encodes a member of the cyclophilin family. Cyclophilins catalyze the cis-trans isomerization of peptidylprolyl imide bonds in oligopeptides. They have been proposed to act either as catalysts or as molecular chaperones in protein-folding events. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2008]

Product images:



15% SDS-PAGE (3ug)

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