

## Product datasheet for AR50055PU-S

#### OriGene Technologies, Inc.

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## 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, 0.1 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSVTLHTDVG DIKIEVFCER TPKTCENFLA LCASNYYNGC IFHRNIKGFM VQTGDPTGTG RGGNSIWGKK FEDEYSEYLK HNVRGVVSMA NNGPNTNGSQ

FFITYGKQPH LDMKYTVFGK VIDGLETLDE LEKLPVNEKT YRPLNDVHIK DITIHANPFA Q

Tag:His-tagPredicted MW:20.3 kDaConcentration: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.

**Protein Description:** Recombinant human PPIL3 protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.



## Cyclophilin J / PPIL3 (1-161, His-tag) Human Protein - AR50055PU-S

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 115861

**Locus ID:** 53938

 UniProt ID:
 Q9H2H8, A0A0S2Z5A8

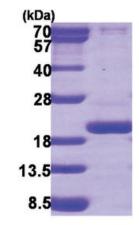
Cytogenetics: 2q33.1 Synonyms: CYPJ

**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)