

# Product datasheet for AR09938PU-L

## OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

## PIN4 (1-156, His-tag) Human Protein

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** PIN4 (1-156, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

Concentration:

MGSSHHHHHH SSGLVPRGSH MPMAGLLKGL VRQLERFSVQ QQASKMPPKG KSGSGKAGKG GAASGSDSAD KKAQGPKGGG NAVKVRHILC EKHGKIMEAM EKLKSGMRFN EVAAQYSEDK

ARQGGDLGWM TRGSMVGPFQ EAAFALPVSG MDKPVFTDPP VKTKFGYHII MVEGRK

Tag:His-tagPredicted MW:18.8 kDa

Purity: >85%

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glyceril 1mM, DTT, 0.1 mM

**PMSF** 

lot specific

**Bioactivity:** Specific: > 300 nmoles/min/mg, defined as the amount of enzyme that cleaves

1 umole of suc-AAPF-pNA per minute at 25°C in Tris-HCl pH 8.0 using chymotrypsin.

Preparation: Liquid purified protein

Applications: Protocol: Activity Assay

1. Prepare 170 ul 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 20 nM chymotrypsin.

2. Add 10 ul of recombinant PIN4 protein with 1 ug in assay buffer.

3. Mix by inversion and equilibrate to 1°C and monitor the A405nm until the value is constant

using a spectrophotometer.

4. Add 20 ul pre-chilled 5 mM suc-AAFP-pNA. (Substrate was dissolved in TFE that contained

460 mM LiCl to a concentration of 3 mM)

5. Record the increase in A405 nm for 30 minutes at 25°C.

**Protein Description:** Recombinant human PIN4 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 up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

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

**RefSeq:** NP 001164218

 Locus ID:
 5303

 UniProt ID:
 Q9Y237

 Cytogenetics:
 Xq13.1

**Synonyms:** EPVH; PAR14; PAR17

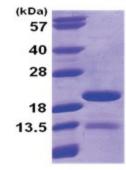
Summary: This gene encodes a member of the parvulin subfamily of the peptidyl-prolyl cis/trans

isomerase protein family. The encoded protein catalyzes the isomerization of peptidylprolyl bonds, and may play a role in the cell cycle, chromatin remodeling, and/or ribosome

biogenesis. The encoded protein may play an additional role in the mitochondria. [provided

by RefSeq, Dec 2009]

#### **Product images:**



15% SDS-PAGE (3ug)