

## Product datasheet for **AR50821PU-N**

### **PIM1 (38-290, His-tag) Human Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	PIM1 (38-290, His-tag) human recombinant protein, 0.25 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MYQVGPLLGS GGFSGVYSGI RVSDNLPVAI KHVEKDRISD WGELPNGTRV PMEVVLLKKV SSGFSGVIRL LDWFERPDSF VLILERPEPV QDLDFITER GALQEELARS FFWQVLEAVR HCHNCGVLHR DIKDENILID LNRGELKLID FGSGALLKDT VYTFDFGTRV YSPPEWIRYH RYHGRSAAVW SLGILLYDMV CGDIPFEHDE EIIRGQVFFR QRVSSSECQHL IRWCLALRPS DRPTFEEIQN HPWM
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	31.4 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human Pim1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001230115</a>
<b>Locus ID:</b>	5292
<b>UniProt ID:</b>	<a href="#">P11309</a>
<b>Cytogenetics:</b>	6p21.2
<b>Synonyms:</b>	PIM



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**Summary:**

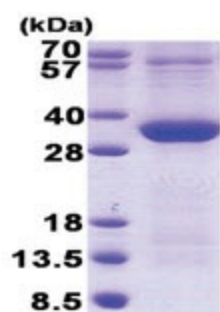
The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and PIM subfamily. This gene is expressed primarily in B-lymphoid and myeloid cell lines, and is overexpressed in hematopoietic malignancies and in prostate cancer. It plays a role in signal transduction in blood cells, contributing to both cell proliferation and survival, and thus provides a selective advantage in tumorigenesis. Both the human and orthologous mouse genes have been reported to encode two isoforms (with preferential cellular localization) resulting from the use of alternative in-frame translation initiation codons, the upstream non-AUG (CUG) and downstream AUG codons (PMIDs:16186805, 1825810).[provided by RefSeq, Aug 2011]

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

**Protein Pathways:**

Acute myeloid leukemia, Jak-STAT signaling pathway

**Product images:**

15% SDS-PAGE (3ug)