

Product datasheet for **AR50821PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	PIM1 (38-290, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MYQVGPLLGS GGFSGVYSGI RVSDNLPVAI KHVEKDRISD WGELPNGTRV PMEVLLKKV SSGFSGVIRL LDWFERPDSF VLILRPEPV QDLDFITER GALQEELARS FFWQVLEAVR HCHNCGVLHR DIKDENILID LNRGELKLID FGSGALLKDT VYTFDFGTRV YSPPEWIRYH RYHGRSAAVW SLGILLYDMV CGDIPFEHDE EIIRGQVFFR QRVSSSECQHL IRWCLALRPS DRPTFEEIQN HPWM
Tag:	His-tag
Predicted MW:	31.4 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 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Pim1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001230115
Locus ID:	5292
UniProt ID:	P11309
Cytogenetics:	6p21.2
Synonyms:	PIM



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Summary:

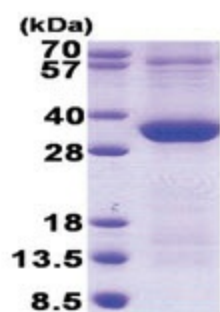
The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and PIM subfamily. This gene is expressed primarily in B-lymphoid and myeloid cell lines, and is overexpressed in hematopoietic malignancies and in prostate cancer. It plays a role in signal transduction in blood cells, contributing 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)