

Recombinant Human PIM1 protein, His & GST-tagged

Cat. No. PIM1-7906H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIM1 aa. (Tyr129~Leu268 (Accession # P11309)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Tyr129~Leu268
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PIM1 Pim-1 proto-oncogene, serine/threonine kinase [Homo sapiens (human)]
Official Symbol	PIM1
Synonyms	PIM1; Pim-1 proto-oncogene, serine/threonine kinase; PIM; serine/threonine-protein kinase pim-1; Oncogene PIM1; pim-1 kinase 44 kDa isoform; pim-1 oncogene (proviral integration site 1); proto-oncogene serine/threonine-protein kinase pim-1
Gene ID	5292

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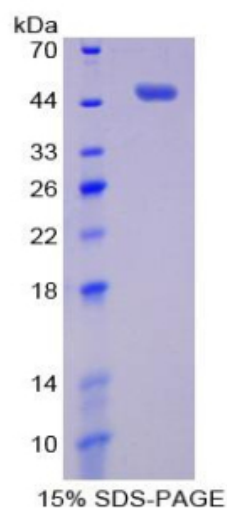
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mRNA Refseq [NM_001243186.1](#)

Protein Refseq [NP_001230115.1](#)

UniProt ID [P11309](#)

SDS-PAGE



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