Recombinant Human Pim-1 Oncogene, GST-His

Cat. No. PIM1-726H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIM1, Amino acids M1-K313, N-terminally fused to GST-HIS6-Thrombin cleavage site, was expressed in*Sf9*cells. MW = 65,423 Da.
Species	Human
Source	Sf9 Cells
ProteinLength	1-313 a.a.
Description	Pim-1 is a proto-oncogene which encodes for the serine/threonine kinase of the same name. The pim-1 oncogene was first described in relation to murine T-cell lymphomas, as it was the locus most frequently activated by the Moloney murine leukemia virus.[4] Subsequently, the oncogene has been implicated in multiple human cancers, including prostate cancer, acute myeloid leukemia and other hematopoietic malignancies.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	PIM1 was confirmed as human PIM1 by mass spectroscopy LC-ESIMS/ MS (Protagen AG, Germany).
Storage Buffer	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol.
Concentration	0.185 μg/μl (Bradford method using BSA [Sigma, cat#A-7638, Lot 79H7641] as

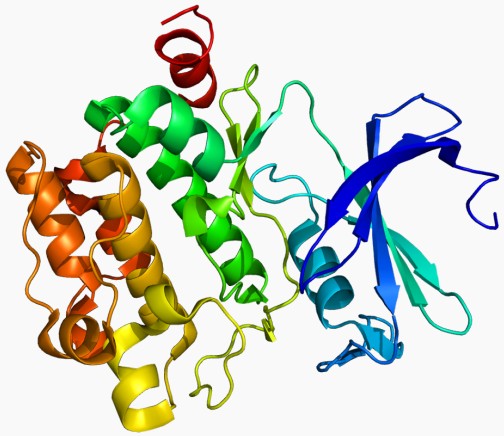
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	standard protein).
Specific Activity	273 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!

GENE INFORMATION

Gene Name	PIM1 pim-1 oncogene [Homo sapiens]
Synonyms	PIM1; pim-1 oncogene; PIM; Proto-oncogene serine/threonine-protein kinase Pim-1; EC 2.7.11.1
Gene ID	5292
mRNA Refseq	NM_002648
Protein Refseq	NP_002639
MIM	164960
UniProt ID	P11309
Chromosome Location	6p21
Pathway	Acute myeloid leukemia; Jak-STAT signaling pathway
Function	ATP binding; nucleotide binding; transferase activity; manganese ion binding; protein serine/threonine kinase activity; metal ion binding; transcription factor binding

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PDB rendering based on 1xqz.	

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