

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
Protein Length	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

 Tel: 1-631-559-9269 1-516-512-3133

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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

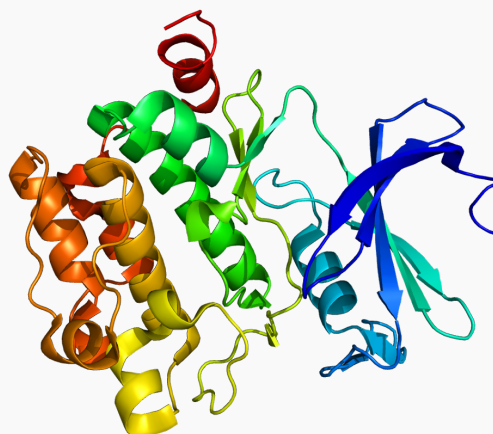
Function ATP binding; nucleotide binding; transferase activity; manganese ion binding; protein serine/threonine kinase activity; metal ion binding; transcription factor binding

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