

Recombinant Human Pim-1 Oncogene, GST-tagged, Active

Cat. No. PIM1-392H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length PIM1 was expressed by baculovirus in <i>Sf9</i> cells using an N-terminal GST tag. MW=62 kDa.
Species	Human
Source	Sf9 Cells
Description	PIM1 is a proto-oncogene that belongs to a family of serine/threonine protein kinases that are highly conserved through evolution in multicellular organisms. Originally identified from Moloney murine leukemia virus induced T-cell lymphomas in mice, PIM1 is involved in the control of cytokine-mediated cell proliferation, differentiation and survival of lymphoid and myeloid cells as well as others. Expression of PIM1 can be stimulated by a variety of growth factors and is regulated at four different levels: transcriptional, post-transcriptional, translational and post-translational. Expression of PIM1 is mediated through activation of the JAK/STAT pathway.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
UniProt ID	P11309
Chromosome Location	6p21
MIM	164960
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

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA