

Active Recombinant Human PIM2, GST-tagged

Cat. No. PIM2-1456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PIM2 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	PIM2 is a serine threonine kinase that is present in all tissues, being most abundant in hematopoietic tissues, spleen, thymus, and peripheral blood leukocytes, as well as in testis, small intestine, and colon. It is highly expressed in human leukemic, lymphoma and colorectal adenocarcinoma cell lines. This suggests a role for PIM2 in proliferating cells as well as during meiosis. Similar to PIM1, PIM2 also acts as a pro-survival kinase and BAD protein is a legitimate PIM2 substrate.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	305 nmol/min/mg
Molecular Mass	~61 kDa
Purity	>95%

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Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	PIM2 pim-2 oncogene [Homo sapiens]
Official Symbol	PIM2
Synonyms	PIM2; pim-2 oncogene; serine/threonine-protein kinase pim-2; pim-2h; serine/threonine protein kinase pim-2; proto-oncogene Pim-2 (serine threonine kinase);
Gene ID	11040
mRNA Refseq	NM_006875
Protein Refseq	NP_006866
MIM	300295
UniProt ID	Q9P1W9
Chromosome Location	Xp11.23
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia,

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conserved biosystem;

Function

ATP binding; nucleotide binding; protein serine/threonine kinase activity;

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