

Recombinant Human PIM2, His-tagged

Cat. No. PIM2-206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PIM2, 1-311aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-311aa
Description	Serine/threonine-protein kinase pim-2, also known as PIM2, is a serine/threonine protein kinase in the CAMK family. PIM2 is expressed in many tissues, with high levels in spleen, thymus, testis, small intestine, and colon. It is implicated in tumor phenotypes and may be involved in the formation and preservation of Long-Term Potentiation (LTP), a profuse, activity-dependent enhancement of synaptic efficacy that is implicated in long-term memory. Recombinant human PIM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol
Molecular Mass	36.6 kDa (334aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHH SSGLVPRGSH MGSMLTKPLQ GPPAPPGTPT PPPGGKDREA FEAEYRLGPL LGKGGFGTVF AGHRLTDRLQ VAIKVIPRNR VLGWSPLSDS VTCPLEVALL WKVGAGGGHP GVIRLLDWFE TQEGFMLVLE RPLPAQDLFD YITEKGPLGE GPSRCFFGQV VAAIQHCHSR GVVHRDIKDE NILIDLRRGC

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AKLIDFGSGA LLHDEPYTDF DGTRVYSPPE WISRHQYHAL PATVWSLGIL
LYDMVCGDIP FERDQEILEA ELHFPAHVSP DCCALIRRCL APKPSSRPSL
EEILLDPWMQ TPAEDVPLNP SKGGPAPLAW SLLP

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

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](#)

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Chromosome Location	Xp11.23
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem;
Function	ATP binding; nucleotide binding; protein serine/threonine kinase activity;

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