

**Product:** PIM1, active  
**Catalog #:** 02-2036  
**Amount:** 5 µg

**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 (1). 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 (2). Expression of PIM1 is mediated through activation of the JAK/STAT pathway

The gene accession number is **NM 002648**

Gene Aliases: PIM

**SOURCE:**

Recombinant full-length human PIM1 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

**MOLECULAR WEIGHT:**

62 kDa

**PURITY:**

> 90% (by densitometry)

**FORM:**

Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

**CONCENTRATION:**

0.1 mg/ml

**SPECIFIC ACTIVITY:**

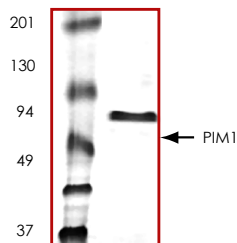
316 nmol/mim/mg

**STORAGE:**

-70°C (aliquot). AVOID repeated Freeze/thaw cycles

**REFERENCE:**

1. Meeker, TC et al.: Cloning and characterization of the human PIM-1 gene: a putative oncogene related to the protein kinases. J Cell Biochem. 1987 Oct;35(2):105-12
2. Friedmann, M. et al: Characterization of the proto-oncogene pim-1: kinase activity and substrate recognition sequence. Arch Biochem Biophys. 1992 Nov 1;298(2):594-601



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