

PIM2, Active recombinant protein
PIM, Serine/threonine-protein kinase Pim-2
Catalog # PBV11306r

Specification

PIM2, Active recombinant protein - Product info

Primary Accession	O9P1W9
Concentration	0.1
Calculated MW	61.0 kDa KDa

PIM2, Active recombinant protein - Additional Info

Gene ID	11040
Gene Symbol	PIM2

Other Names

PIM, Serine/threonine-protein kinase Pim-2

Source	Baculovirus (Sf9 insect cells)
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes

Format

Liquid

Storage

-80°C; Recombinant protein in storage buffer (50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol).

PIM2, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PIM2, Active recombinant protein - Images

PIM2, Active recombinant protein - Background

Baytel et al. identified a deduced 334-amino acid sequence of the clone, which showed 90% identity with the mouse Pim2 protein. Like mouse Pim2, the human protein appears to be a serine threonine kinase. Northern blot analysis detected 2 PIM2 transcripts in all tissues tested, but most abundantly in hematopoietic tissues, spleen, thymus, and peripheral blood leukocytes, as well as in

testis, small intestine, and colon. It was also highly expressed in human leukemic and lymphoma cell lines and a colorectal adenocarcinoma cell line. The results suggested a role for PIM2 in proliferating cells as well as during meiosis (1). Yan et al investigated potential functions for the pim family of kinases in factor-dependent murine hematopoietic cells and indicate that pim-2 functions similarly to pim-1 as a pro-survival kinase and suggest that BAD is a legitimate PIM-2 substrate (2). Hammerman et al concluded that the transcriptional induction of Pim-2 initiated a novel NF-kappaB activation pathway that regulates cell survival (3).

PIM2, Active recombinant protein - References

Baytel D.,et al.Biochim. Biophys. Acta 1442:274-285(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ishida N.,et al.Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
Ross M.T.,et al.Nature 434:325-337(2005).
Leong W.F.,et al.Cell. Microbiol. 8:565-580(2006).