

PIM2 recombinant protein

PIM2, Active

CATALOG # AAA73824	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PIM2; Active; PIM2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PIM2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PIM2 recombinant protein	Recombinant full-length human PIM2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_006875. 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 (1). 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 (2).
Product Categories/Family for PIM2 recombinant protein	Protein Kinases ; Apoptosis/Autophagy ; Cancer ; Cellular Stress ; Inflammation ; Neurobiology ; Ser/Thr Kinases
References	1. Baytel, D. et al; The human Pim-2 proto-oncogene and its testicular expression. Biochim. Biophys. Acta 1442: 274-285, 1998. 2. Yan, B. et al; The PIM-2 kinase phosphorylates BAD on serine 112 and reverses BAD-induced cell death. J Biol Chem. 2003 Nov 14;278(46):45358-67.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_006875
Molecular Weight	~61kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pim2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73824>