

Active Recombinant Human Pim-3, His-tagged

Cat. No. Pim3-116H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Pim-3 fused with 6His tag at Nterminal, was expressed in Sf21 insect cells.
Species	Human
Source	Sf21 Cells
Description	The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and PIM subfamily. This gene is overexpressed in hematological and epithelial tumors and is associated with MYC coexpression. It plays a role in the regulation of signal transduction cascades, contributing to both cell proliferation and survival, and provides a selective advantage in tumorigenesis.
Form	1.05mg/ml of enzyme in 50mM Tris/HCl pH7.5, 300mM NaCl, 0.1mM EGTA, 0.03% Brij-35, 270mM sucrose, 1mM benzamidine, 0.2mM PMSF, 0.1% 2-mercaptoethanol. Frozen solution.
Bio-activity	5210U/mg, where one unit of Pim-3 activity is defined as 1nmol phosphate incorporated into 300M (RSRHSSYPAGT) per minute at 30°C with a final ATP concentration of 100M.
Molecular Mass	39.6 kDa
Storage	Stable for 6 months at -70°C from date of shipment. For maximum recovery of product, centrifuge original vial prior to removing the cap.

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GENE INFORMATION

Gene Name	PIM3 pim-3 oncogene [Homo sapiens (human)]
Official Symbol	PIM3
Synonyms	PIM3; pim-3; pim-3 oncogene; serine/threonine-protein kinase pim-3; serine/threonine kinase Pim-3; EC 2.7.11.1
Gene ID	415116
mRNA Refseq	NM_001001852
Protein Refseq	NP_001001852
MIM	610580
UniProt ID	Q86V86
Chromosome Location	22q13
Function	ATP binding; protein binding; protein serine/threonine kinase activity

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