

Active Recombinant Mouse PIM3, GST-tagged

Cat. No. PIM3-1457M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length mouse PIM3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Mouse
Source	Sf9 Cells
ProteinLength	Full length
Description	PIM3 or pim-3 oncogene belongs to a family of protooncogenes that encode serine/threonine protein kinases. Pim-3 expressed in hepatocellular carcinoma development and plays a main role in the proliferation of human hepatoma cell lines. Pim-3 also expressed in human pancreatic cancer cell and phosphorylates BAD to block Bad-mediated apoptosis in human pancreatic cancer cell lines (3).
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	785 nmol/min/mg
Molecular Mass	~63 kDa
Purity	>90%
Applications	Kinase Assay, Western Blot

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Storage

Store at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.

Concentration

0.1 $\mu\text{g}/\mu\text{l}$

GENE INFORMATION**Gene Name**

Pim3 proviral integration site 3 [*Mus musculus*]

Official Symbol

PIM3

Synonyms

PIM3; proviral integration site 3; serine/threonine-protein kinase pim-3; KID-1/kinase induced by depolarization; Kid1; BC026639; MGC27707; MGC37517;

Gene ID

223775

mRNA Refseq

NM_145478

Protein Refseq

NP_663453

Pathway

PluriNetWork, organism-specific biosystem;

Function

ATP binding; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups;

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