

Recombinant Human PIM3 Protein (1-309), His tagged

Cat. No. PIM3-4507H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PIM3 (1-309) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-309
Description	Proto-oncogene with serine/threonine kinase activity that can prevent apoptosis, promote cell survival and protein translation. May contribute to tumorigenesis through: the delivery of survival signaling through phosphorylation of BAD which induces release of the anti-apoptotic protein Bcl-X (L), the regulation of cell cycle progression, protein synthesis and by regulation of MYC transcriptional activity. Additionally to this role on tumorigenesis, can also negatively regulate insulin secretion by inhibiting the activation of MAPK1/3 (ERK1/2), through SOCS6. Involved also in the control of energy metabolism and regulation of AMPK activity in modulating MYC and PPARGC1A protein levels and cell growth.
Form	Lyophilized powder/frozen liquid
Molecular Mass	35.05 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PIM3 pim-3 oncogene [Homo sapiens (human)]
Official Symbol	PIM3
Synonyms	PIM3; pim-3 oncogene; serine/threonine-protein kinase pim-3; serine/threonine kinase Pim-3; pim-3;
Gene ID	415116
mRNA Refseq	NM_001001852
Protein Refseq	NP_001001852
MIM	610580
UniProt ID	Q86V86

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