

Recombinant Full Length Human PIM1 Protein, C-Flag-tagged

Cat. No. PIM1-959HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PIM1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and PIM subfamily. This gene is expressed primarily in B-lymphoid and myeloid cell lines, and is overexpressed in hematopoietic malignancies and in prostate cancer. It plays a role in signal transduction in blood cells, contributing to both cell proliferation and survival, and thus provides a selective advantage in tumorigenesis. Both the human and orthologous mouse genes have been reported to encode two isoforms (with preferential cellular localization) resulting from the use of alternative in-frame translation initiation codons, the upstream non-AUG (CUG) and downstream AUG codons.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	35.5 kDa
AA Sequence	MLLSKINSLAHLRAAPCNDLHATKLAPGKEKEPLESQYQVGPLLGSGGFGSVYSGIR VSDNLPVAIKHVE KDRISDWGELPNGTRVPMEEVLLKKVSSGFGSVIRLLDWFERP DSFVLILERPEPVQDLFDIFITERGALQ EELARSFFWQVLEAVRHCHNCGVLHRDIKD ENILIDLNRGELKLIDFGSGALLKDTVYTDGTRVYSPP EWIRYHRYHGRSAAVWS

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LGILLYDMVCGDIPFEHDEEIRGQVFFRQVRVSSECQHLIRWCLALRPSDRPT
FEEIQNHPWMQDVLLPQETAEIHLHSLSPGPSKTRTRPLEQKLISEEDLAANDILDYK
DDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase
Protein Pathways	Acute myeloid leukemia, Jak-STAT signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	PIM1 Pim-1 proto-oncogene, serine/threonine kinase [Homo sapiens (human)]
Official Symbol	PIM1
Synonyms	PIM
Gene ID	5292

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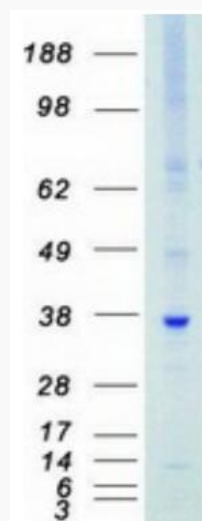
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mRNA Refseq [NM_002648.4](#)

Protein Refseq [NP_002639.1](#)

MIM [164960](#)

UniProt ID [P11309](#)



Coomassie blue staining of purified PIM1 protein.

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