

Product datasheet for **TP305853L**

PIM1 (NM_002648) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pim-1 oncogene (PIM1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205853 representing NM_002648 Red =Cloning site Green =Tags(s)
	<p>MLLSKINSLAHLRAAPCNDLHATKLAPGKEKEPLESQYQVGPLLGSGGFGSVYSGIRVSDNLPVAIKHVE KDRISDWGELPNGTRVPMEVLLKKVSSGFGSVIRLLDWFERPDSFVLILERPEPVQDLDFDITERGALQ EELARSWQVLEAVRHCHNCGVLHRDIKDENILIDLNRGELKLIDFGSGALLKDTVYTFDGTTRVYSPP EWIRYHRYHGRSAAVWSLGILLYDMVCGDIPFEHDEEIRGQVFFRQVRSSECQHLIRWCLALRPSDRPT FEEIQNHPWMQDVLLPQETAIEIHLHLSLSPGPSK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	35.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002639</u>
Locus ID:	5292



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UniProt ID: [P11309](#), [A0A024RD25](#)

RefSeq Size: 2684

Cytogenetics: 6p21.2

RefSeq ORF: 939

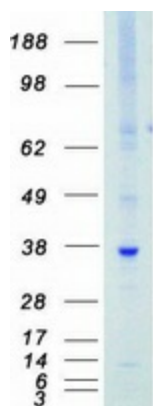
Synonyms: PIM

Summary: 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 (PMIDs:16186805, 1825810).[provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

Protein Pathways: Acute myeloid leukemia, Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified PIM1 protein (Cat# [TP305853]). The protein was produced from HEK293T cells transfected with PIM1 cDNA clone (Cat# [RC205853]) using MegaTran 2.0 (Cat# [TT210002]).