

Product datasheet for TP504756

Pim3 (NM_145478) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse proviral integration site 3 (Pim3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204756 representing NM_145478 Red=Cloning site Green=Tags(s)

MLLSKFGSLAHLCPGGVDHLPVKILQPAKADKESFEKVYQVGAVLGSGGFGTVAGSRIADGLPVAVKH
VVKERVTEWGSLLGGVAVPLEVLLRKVGAAGGARGVIRLLDWFERPDLGFLVLERPEPAQDLDFITERG
ALDEPLARRFFAQVLA AVRHCNCGVVHRDIKDENLLVDLRSSELKIDFGSGAVLKDTVYTFDGT RVY
SPPEWIRYHRYHGRSATVWSLGVLLYDMVCGDIPFEQDEEILRGRLLFFRRRVSPECQQLIEWCLSLRPSE
RPSLDQIAAHPWMLGTGEGSVPENCDLRLCALDTDDGASTSSSESL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	36.4 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
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 after receiving vials.
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:	NP_663453
Locus ID:	223775
UniProt ID:	P58750 , Q3TX64



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RefSeq Size: 2419

Cytogenetics: 15 E3

RefSeq ORF: 978

Synonyms: BC026639; Kid1

Summary: Proto-oncogene with serine/threonine kinase activity that can prevent apoptosis and 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 and 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.[UniProtKB/Swiss-Prot Function]