

Product datasheet for **TP307653M**

TLK1 (NM_012290) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tousel-like kinase 1 (TLK1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207653 protein sequence Red=Cloning site Green=Tags(s)

MSVQSSSGSLEGPPSWSQLSTSPTPGSAAAARSLNHTPPSGRPREGAMDELHSLDPRRQELLEARFTGV
ASGSTGSTGSCSVGAKASTNNESSNHSFGSLGSLSDKESETPEKKQSESSRGRKRKAENQNESSQGKSIG
GRGHKISDYFEYQGGNGSSPVRGIPPAIRSPQNSHSHSTPSSSVRPNSPPTALAFGDHPVQPKQLSFK
IIQTDLTMLKLALESNKIQDLEKKEGRIDLLRANCDLRRQIDEQQKLEKYKERLNKCISMSKLLIE
KSTQEKLSSREKSMQDRLRLGHFTTVRHGASFTEQWTDGFAFQNLVKQQEWNQREDIERQRKLLAKRK
PPTANNSQAPSTNSEPKQRKNKAVNGAENDPFVRPNLPQLLTLAEYHEQEEIFKLRLGHLKKEEAEIQAE
LERLERVRNLHIRELKRINNEDNSQFKDHPTLNERYLLLHLLGRGGFSEVYKAFDLYEQRYAAVKIHQLN
KSWRDEKKENYHKHACREYRIHKELDHPRIVKLYDYFSLD TDFCTVLEYCEGNDLDFYKQHKLMSEKE
ARSIVMQIVNALRYLNEIKPPIIHYDLKPGNILLVDGTACGEIKITDFGLSKIMDDDSYGVGDMDLTSQG
AGTYWYLPPECFVVGKEPPKISNKVDVWSVGVIFQCLYGRKPFGHNQSQQDILQENTILKATEVQFPVK
PVVSEAKAFIRRCCLAYRKEDRFDVHQLANDPYLLPHMRRSNSSGNLHMAGLTASPTPPSSSIITY

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	86.5 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.



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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_036422](#)

Locus ID: 9874

UniProt ID: [Q9UKI8](#)

RefSeq Size: 5751

Cytogenetics: 2q31.1

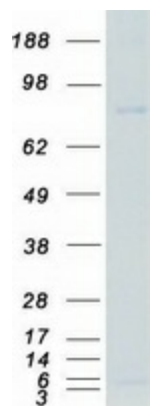
RefSeq ORF: 2298

Synonyms: PKU-beta

Summary: The protein encoded by this gene is a serine/threonine kinase that may be involved in the regulation of chromatin assembly. The encoded protein is only active when it is phosphorylated, and this phosphorylation is cell cycle-dependent, with the maximal activity of this protein coming during S phase. The catalytic activity of this protein is diminished by DNA damage and by blockage of DNA replication. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified TLK1 protein (Cat# [TP307653]). The protein was produced from HEK293T cells transfected with TLK1 cDNA clone (Cat# [RC207653]) using MegaTran 2.0 (Cat# [TT210002]).