

## Product datasheet for PH307653

### TLK1 (NM\_012290) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TLK1 MS Standard C13 and N15-labeled recombinant protein (NP_036422)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207653
Predicted MW:	86.7 kDa
Protein Sequence:	>RC207653 protein sequence Red=Cloning site Green=Tags(s)
	MSVQSSSGSLEGPPSWSQLSTSPTPGSAAAARSLLNHTPPSGRPREGAMDELHSLDPRRQELLEARFTGV ASGSTGSGSCSVGAKASTNNESSNHSFGSLGSLSDKESETPEKKQSESSRGRKRKAENQNESSQGKSIG GRGHKISDYFEYQGGNGSSPVRGIPPAIRSPQNSHSHSTPSSSVRPNSPPTALAFGDHPVIVQPKQLSFK IIQTDLTMLKLAALAESNKIQDLEKKEGRIDDLRANCDLRRQIDEQQKLEKYKERLNKCSMSKLLIE KSTQEKLSREKSMQDLRLGHFTTVRHGASFTEQWTDGFAFQNLVKQEQEWNQREDIERQRKLLAKRK PPTANNSQAPSTNSEPKQRKNKAVNGAENDPFVVRPNLPQLLTLAEYHEQEEIFKLRLGHLKKEEAEIQAE LERLERVRNLHIRELKRINNEDNSQFKDHPNLTNERYLLHLLGRGGFSEVYKAFDLYEQRYAAVKIHQLN KSWRDEKKENYHKHACREYRIHKELDHPRIKLVYDYFSLDTRDFTVLEYCEGNDLDFYLYKQHKLMSEKE ARSIVMQIVNALRYLNEIKPPIIHYDLKPGNILLVDGTACGEIKITDFGLSKIMDDDSYGVGMDLTSQG AGTYWYLPPECFVVGKEPPKISNKVDVWSVGVIFQCLYGRKPFQHNQSQQDILQENTILKATEVQFPVK PVVSEAKAFIRCLAYRKEDRFVHQLANDPYLLPHMRRSNSSGNLHMAGLTASPTPPSSSIITY
	SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_036422</a>



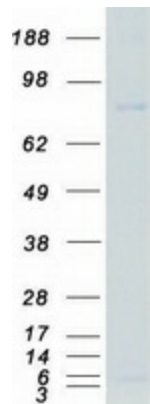
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RefSeq Size:	5751
RefSeq ORF:	2298
Synonyms:	PKU-beta
Locus ID:	9874
UniProt ID:	<a href="#">Q9UK18</a>
Cytogenetics:	2q31.1

**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]).