

Recombinant Human TLK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TLK1-2081H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TLK1 MS Standard C13 and N15-labeled recombinant protein (NP_036422) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	86.7 kDa
AA Sequence	MSVQSSSGSLEGPPSWSQLSTSPTPGSAAAARSLNHTPPSGRPREGAMDELHSL DPRRQELLEARFTGVASGSTGSTGSCSVGAKASTNNESSNHSFGSLGSLSDKESET PEKKQSESSRGRKRKAENQNESSQGKSIGGRGHKISDYFEYQGGNGSSPVRGIPP AIRSPQNSHSHSTPSSSVRPNSPSTALAFGDHPVQPKQLSFKIIQTDLTMLKLAAL SNKIQDLEKKEGRIDLLRANCDLRRQIDEQQKLEKYKERLNKCISMSKKLLIEKSTQ EKLSSREKSMQDRLRLGHFTTVRHGASFTEQWTDGFAFQNLVKQQEWVNQQREDI ERQRKLLAKRKPPTANNSQAPSTNSEPKQRKNKAVNGAENDPFVRPNLPQLLTAE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YHEQEEIFKLRLGHLKKEEAEIQAELERLVRNLHIRELKRINNEDNSQFKDHPTLN
 ERYLLLHLLGRGGFSEVYKAFDLYEQRYAAVKIHQLNKSQRDEKKENYHKHACREY
 RIHKELDHPRIVKLYDYFSLDTDTFCTVLEYCEGNDLDFYLKQHKLMSEKEARSIVMQ
 IVNALRYLNEIKPPIIHYDLKPGNILLVDGTACGEIKITDFGLSKIMDDDSYGVDGMDLT
 SQGAGTYWYLPPECFVVGKEPPKISNKVDVWSVGVIFFQCLYGRKPFGHNQSQQDI
 LQENTILKATEVQFPVKPVVSSEAKAFIRRCCLAYRKEDRFDVHQLANDPYLLPHMRR
 SNSSGNLHMAGLTASPTPPSSSIITYSGPTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TLK1 tousled-like kinase 1 [Homo sapiens (human)]
Official Symbol	TLK1
Synonyms	TLK1; tousled-like kinase 1; serine/threonine-protein kinase tousled-like 1; KIAA0137; PKU BETA; SNARE protein kinase SNAK; serine threonine protein kinase; PKU-beta;
Gene ID	9874

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mRNA Refseq [NM_012290](#)

Protein Refseq [NP_036422](#)

MIM [608438](#)

UniProt ID [Q9UKI8](#)

SDS-PAGE



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