

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

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

## SPECIFICATION

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

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YHEQEEIFKLRLGHLKKEEAEIQAELERLVRNLHIRELKRINNEDNSQFKDHPTLN  
 ERYLLLHLLGRGGFSEVYKAFDLYEQRYAAVKIHQLNKSQRDEKKENYHKHACREY  
 RIHKELDHPRIVKLYDYFSLDTDTFCTVLEYCEGNDLDFYLKQHKLMSEKEARSIVMQ  
 IVNALRYLNEIKPPIIHYDLKPGNILLVDGTACGEIKITDFGLSKIMDDDSYGVDGMDLT  
 SQGAGTYWYLPPECFVVGKEPPKISNKVDVWSVGVIFQCLYGRKPFGHNQSQQDI  
 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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