

Recombinant Full Length Human TLK1 Protein, C-Flag-tagged

Cat. No. TLK1-1453HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TLK1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	86.5 kDa
AA Sequence	MSVQSSSGSLEGPPSWSQLSTPTPGSAAAARSLNHTPPSGRPREGAMDELHSL DPRRQELLEARFTGV ASGSTGSTGSCSVGAKASTNNNESSNHSFGSLGSLSDKESE TPEKKQSESSRGRKRKAENQNESSQGKSIG GRGHKISDYFEYQGGNGSSPVRGIP PAIRSPQNSHSHSTPSSSVRPNSPSTALAFGDHPVQPKQLSFK IIQTDLTMLKLAA LESNKIQDLEKKEGRIDLLRANCDLRRQIDEQQKLEKYKERLNKCSMSKLLIE K STQEKLSSREKSMQDRLRLGHFTTVRHGASFTEQWTDGFAFQNLVKQQEWVNQQ REDIERQRKLLAKRK PPTANNSQAPSTNSEPKQRKNKAVNGAENDPFVRPNLPQLL

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TLAEYHEQEEIFKLRLGHLKKEEAEIQAE LERLERVRNLHIRELKRINNEDNSQFKDH
PTLNERYLLLHLLGRGGFSEVYKAFDLYEQRYAAVKIHQLN KSWRDEKKENYHKHA
CREYRIHKELDHPRIVKLYDYFSLDTDTFCTVLEYCEGNDLDFYLKQHKLMSEKE AR
SIVMQIVNALRYLNEIKPPIIHYDLKPGNILLVDGTACGEIKITDFGLSKIMDDDSYGVD
GMDLTSQG AGTYWYLPPECFVVGKEPPKISNKVDVWSVGVIFFQCLYGRKPFGHN
QSQQDILQENTILKATEVQFPVK PVSSEAKAFIRRCCLAYRKEDRFDVHQLANDPYL
LPHMRRSNSSGNLHMAGLTASPTPPSSSIITYSGPTRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Full Length	Full L.

GENE INFORMATION

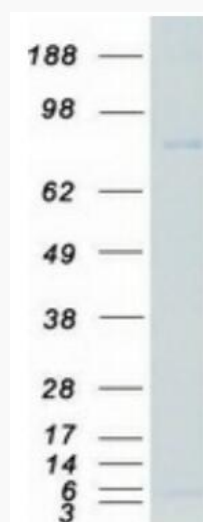
Gene Name	TLK1 tousled like kinase 1 [Homo sapiens (human)]
Official Symbol	TLK1

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Synonyms	PKU-beta
Gene ID	9874
mRNA Refseq	NM_012290.5
Protein Refseq	NP_036422.3
MIM	608438
UniProt ID	Q9UKI8



Coomassie blue staining of purified TLK1 protein.