

Recombinant Human TLK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TLK2-5589H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TLK2 MS Standard C13 and N15-labeled recombinant protein (NP_006843) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a nuclear serine/threonine kinase that was first identified in Arabidopsis. The encoded protein is thought to function in the regulation of chromatin assembly in the S phase of the cell cycle by regulating the levels of a histone H3/H4 chaperone. This protein is associated with double-strand break repair of DNA damage caused by radiation. Pseudogenes of this gene are present on chromosomes 10 and 17. Alternate splicing results in multiple transcript variants.
Molecular Mass	85.3 kDa
AA Sequence	MMEELHSLDPRRQELLEARFTGVGVSKGPLNSESSNQSLCSVGSLSKDKEVETPEKK QNDQRNRKRKAEPYETSQGKGTTPRGHKISDYFEFAGGSAPGTSPGRSVPPVARSS PQHSLSNPLPRRVEQPLYGLDGSAAKEATEEQSALPTLMSVMLAKPRLDTEQLAQR GAGLCFTFVSAQQNSPSTGSGNTEHSCSSQKQISIQHRQTQSDLTIEKISALENSK NSDLEKKEGRIDLLRANCDLRRQIDEQQKMLEKYKERLNRCVTMSKKLLIEKSKQE KMACRDKSMQDRLRLGHFTTVRHGASFTEQWTDGYAFQNLKQQRINSQREEIER QRKMLAKRKPPAMGQAPPATNEQKQRKSKTNGAENETLTLAEYHEQEEIFKLRLGH

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LKKEEAEIQAELERLERVRNLHIRELKRIHNEDNSQFKDHPTLNDRYLLLHLLGRGGF
SEVYKAFDLTEQRYVAVKIHQLNKNWRDEKKENYHKHACREYRIHKELDHPRIVKLY
DYFSLDTDSFCTVLEYCEGNDLDFYLKQHKLMSEKEARSIIIMQIVNALKYLNEIKPPIIH
YDLKPGNILLVNGTACGEIKITDFGLSKIMDDDSYNSVDGMELTSQGAGTYWYLPPE
CFVVGKEPPKISNKVDVWSVGVIFYQCLYGRKPFGHNQSQQDILQENTILKATEVQF
PPKPVVTPEAKAFIRRCCLAYRKEDRIDVQQLACDPYLLPHIRKSVSTSSPAGAAIAST
SGASNSSSNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [TLK2 tousled-like kinase 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [TLK2](#)

Synonyms TLK2; tousled-like kinase 2; serine/threonine-protein kinase tousled-like 2; MGC44450; PKU ALPHA; serine/threonine kinase; PKU-ALPHA;

Gene ID [11011](#)

mRNA Refseq [NM_006852](#)

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Protein Refseq NP_006843

MIM 608439

UniProt ID Q86UE8

SDS-PAGE



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