

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 QNDQRNRKRKAEPYETSQGKGTPRGHKISDYFEFAGGSAPGTSPGRSVPPVARSS PQHSLSNPLPRRVEQPLYGLDGSAAKEATEEQSALPTLMSVMLAKPRLDTEQLAQR GAGLCFTFVSAQQNSPSTGSGNTEHSCSSQKQISIQHRQTQSDLTIEKISALENSK NSDLEKKEGRIDLLRANCDLRRQIDEQQKMLEKYKERLNRCVTMSKKLLIEKSKQE KMACRDKSMQDRLRLGHFTTVRHGASFTEQWTDGYAFQNLKQQRINSQREEIER QRKMLAKRKPPAMGQAPPATNEQKQRKSKTNGAENETLTLAEYHEQEEIFKLRLGH

 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



LKKEEAEIQAELERLERVRNLHIRELKRIHNEDNSQFKDHPTLNDRYLLLHLLGRGGF
SEVYKAFDLTEQRYVAVKIHQLNKNWRDEKKENYHKHACREYRIHKELDHPRIVKLY
DYFSLDTSFCTVLEYCEGNDLDFYLKQHKLMSEKEARSIIIMQIVNALKYLNEIKPPIIH
YDLKPGNILLVNGTACGEIKITDFGLSKIMDDDSYNSVDGMELTSQGAGTYWYLPPE
CFVVGKEPPKISNKVDVWSVGIVFYQCLYGRKPFGHNQSQQDILQENTILKATEVQF
PPKPVVTPEAKAFIRRCCLAYRKEDRIDVQQLACDPYLLPHIRKSVSTSSPAGAAIAST
SGASNNSSSNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

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