

## Product datasheet for PH318935

### TLK2 (NM\_006852) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TLK2 MS Standard C13 and N15-labeled recombinant protein (NP_006843)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218935
Predicted MW:	85.3 kDa
Protein Sequence:	>RC218935 representing NM_006852 Red=Cloning site Green=Tags(s)
	MMEELHSLDPRRQELLEARFTGVGVSKGPLNSESSNQSLCSVGSLSKVEVETPEKKQNDQRNRKRKAEPY ETSQGGKTPRGHKISDYFEFAGGSAPGTSPGRSVPPVARSSPQHSLSNPLPRRVEOPLYGLDGSAAKEAT EEQSALPTLMSVMLAKPRLDTEQLAQRGAGLCFTFVSAQQNSPSSTGSGNTEHSCSSQKQISIQHRQTQS DLTIEKISALENSKNSDLEKKEGRIDDLRANCDLRRQIDEQQKMLEKYKERLNRCVTMSKLLIEKSKQ EKMACRDKSMQDRLRLGHFTTVRHGASFTEQWTDGYAFQNLIKQQRINSQREEIERQRKMLAKRPPAM GQAPPATNEQQRKSKTNGAENETLTLAEYHEQEEIFKLRGLHLLKKEEAEIQAELERLERVNLHIRELK RIHNEDNSQFKDHPTLNDRYLLHLLGRGGFSEVYKAFDLTEQRYVAVKIHQLNKNWRDEKKENYHKHAC REYRIHKELDHPRIVKLYDYFSLDTSFCTVLEYCEGNDLDFYLKQHKLMSEKEARSIIMQIVNALKYLN EIKPPIIHYDLKPGNILLVNGTACGEIKITDFGLSKIMDDDSYNSVDGMELTSQGAGTYWYLPPECFVVG KEPPKISKNVVWSVGVIFYQCLYGRKPFQHNQSQDILQENTILKATEVQFPKPVVTPEAKAFIRRCL AYRKEDRIDVQLACDPYLLPHIRKSVSTSSPAGAAIASTSGASNSSSN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006843</a>



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RefSeq Size:	3616
RefSeq ORF:	2250
Synonyms:	HsHPK; MRD57; PKU-ALPHA
Locus ID:	11011
UniProt ID:	<a href="#">Q86UE8</a>
Cytogenetics:	17q23.2

**Summary:** 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. [provided by RefSeq, Sep 2013]

**Protein Families:** Druggable Genome, Protein Kinase

### Product images:



Coomassie blue staining of purified TLK2 protein (Cat# [TP318935]). The protein was produced from HEK293T cells transfected with TLK2 cDNA clone (Cat# [RC218935]) using MegaTran 2.0 (Cat# [TT210002]).