

Recombinant Mouse Tlk1 Protein, Myc/DDK-tagged

Cat. No. Tlk1-6449M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tousel-like kinase 1 (Tlk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes involved in chromatin assembly. Isoform 3 protects the cells from the ionizing radiation by facilitating the repair of DSBs. In vitro, phosphorylates histone H3 at 'Ser-10'.
Molecular Mass	87.1 kDa
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Tlk1 tousled-like kinase 1 [Mus musculus (house mouse)]
Official Symbol	TLK1
Synonyms	TLK1; tousled-like kinase 1; serine/threonine-protein kinase tousled-like 1; 4930545J15Rik
Gene ID	228012
mRNA Refseq	NM_172664
Protein Refseq	NP_766252
UniProt ID	Q8C0V0

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