

## Recombinant Human TLK1 (N-GST tag)

Cat No:HR2R2010

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	TLK1
Gene ID	N/A
Accession	NM_012290
Alternative Name	KIAA0137; PKU-beta
Species	Human
Source	Insect cells
Description	TLK1 or tousled-like kinase 1 is a nuclear serine/threonine kinase that is potentially involved in the regulation of chromatin assembly. TLK1 is first described in Arabidopsis. TLK1 is a novel target of the DNA damage checkpoint that is rapidly inactivated upon exposure to ionizing radiation (IR) and the inactivation is directly mediated by the S-phase DNA damage checkpoint . The suppression of TLK1 activity after double-strand breaks in the DNA, replication blockade, or low doses of ultraviolet irradiation requires ATM, NBS and CHK1 .
Functions	The specific activity of TLK1 was determined to be 6.2 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	135
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.