

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.