

## Recombinant Human TLK1/PKU-beta Protein (His & GST Tag)

**Catalog Number:** PKSH030339

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

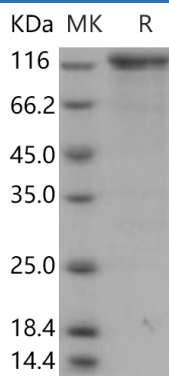
### Description

<b>Species</b>	Human
<b>Source</b>	Baculovirus-Insect Cells-derived Human TLK1/PKU-beta protein Met 1-Tyr 766, with an N-terminal His & GST
<b>Mol_Mass</b>	114 kDa
<b>Accession</b>	Q9UKI8-1
<b>Bio-activity</b>	The specific activity was determined to be 1.6 nmol/min/mg using Histone H3 protein as substrate.

### Properties

<b>Purity</b>	> 88 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as sterile solution of 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol
<b>Reconstitution</b>	Not Applicable

### Data



> 88 % as determined by reducing SDS-PAGE.

### Background

The protein encoded by this gene is a serine/threonine kinase that may be involved in the regulation of chromatin assembly. The encoded protein is only active when it is phosphorylated, and this phosphorylation is cell cycle-dependent, with the maximal activity of this protein coming during S phase. The catalytic activity of this protein is diminished by DNA damage and by blockage of DNA replication. Three transcript variants encoding different isoforms have been found for this gene.

### For Research Use Only

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