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

Catalog No. PKSH030339

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

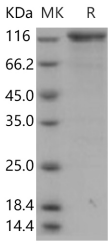
Description

Synonyms	KIAA0137;PKU-beta
Species	Human
Expression Host	Baculovirus-Insect Cells
Sequence	Met 1-Tyr 766
Accession	Q9UKI8-1
Calculated Molecular Weight	114 kDa
Observed molecular weight	125 kDa
Tag	N-His-GST
Bioactivity	The specific activity was determined to be 1. 6 nmol/min/mg using Histone H3 protein as substrate.

Properties

Purity	> 88 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	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.
Formulation	Supplied as sterile solution of 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol
Reconstitution	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.

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