



Recombinant Protein Technical Manual
Recombinant Human TLK1/PKU-beta Protein (His & GST Tag)(Active)
RPES0925

Product Data:

Product SKU: RPES0925

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: Q9UKI8

Protein Information:

Molecular Mass: 114 kDa

AP Molecular Mass: 125 kDa

Tag: N-His & GST

Bio-activity: The specific activity was determined to be 1.6 nmol/min/mg using Histone H3 protein as substrate.

Purity: > 88 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: KIAA0137;PKU-beta

Immunogen Information:

Sequence: Met 1-Tyr 766

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.