

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

Catalog Number: 12213-H20B



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

KIAA0137; PKU-beta

Protein Construction:

A DNA sequence encoding the human TLK1 isoform 1 (Q9UKI8-1) (Met 1-Tyr 766) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 88 % as determined by SDS-PAGE

Bio Activity:

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

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human TLK1/GST chimera consists of 1003 amino acids and has a calculated molecular mass of 114 kDa. It migrates as an approximately 125 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

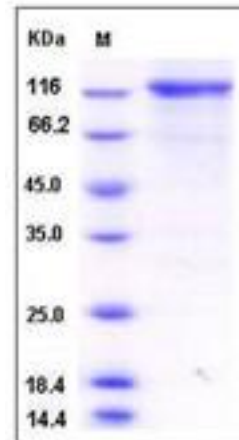
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.Sillje H.H.W., et al., 2001, Curr. Biol. 11:1068-73. 2.Beausoleil S.A., et al., 2004, Proc. Natl. Acad. Sci. USA. 101:12130-5. 3.Oppermann F.S., et al., 2009, Mol. Cell. Proteomics 8:1751-64.

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