

RP03428LQ

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Recombinant Human Tousled-like kinase 2/TLK2 Kinase

Catalog No.: RP03428LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Baculovirus-Insect Cells	11011	Q86UE8

Tags

N-His-GST

Synonyms

TLK2; HsHPK; PKU-alpha; Tousled-like kinase 2; Serine/threonine-protein kinase tousled-like 2

Product Information

Source

Purification

≥ 80 % as determined by SDS-PAGE; ≥ 80 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 5% glycerol, 1 mM DTT. (pH 7.0). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

Contact



www.abclonal.com

Background

Serine/threonine-protein kinase tousled-like 2 is an enzyme that in humans is encoded by the TLK2 gene. The Tousled-like kinases, first described in Arabidopsis, are nuclear serine/threonine kinases that are potentially involved in the regulation of chromatin assembly. These are different from other "tousled" varieties, such as flock-of-seagulls, post-coitus, or the-Sean-Bean. Mutations in this gene have been linked to a specific form of autism spectrum disorder with unique facial features.

Basic Information

Description

Recombinant Human Tousled-like kinase 2/TLK2 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met2-Ser750) of Human TLK2 (Accession #Q86UE8) fused with a N-His-GST tag.

Bio-Activity

The activity of TLK2 is based on the ADP-GLO kinase activity assay quantifies kinase activity by measuring the conversion of ATP to ADP catalyzed by the kinase. Specific reagents are used to convert the ADP in the reaction back to ATP, resulting in the production of a luminescent signal.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

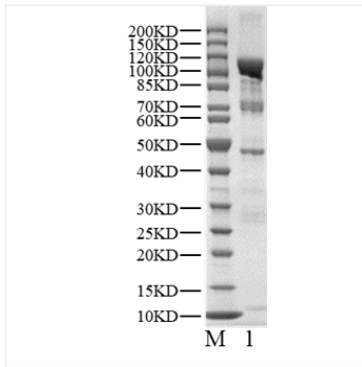
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

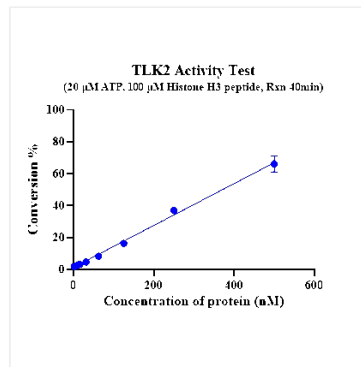
Avoid repeated freeze/thaw cycles.

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Validation Data



Recombinant Human Tausled-like kinase 2/TLK2 Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.



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