Recombinant Human Tousled-like kinase 2/TLK2 Kinase

Catalog No.: RP03428LQ

Sequence Information

Species
Human

Gene ID
11011

Swiss Prot
Q86UE8

Tags
N-His-GST

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

Product Information

Source
Baculovirus-Insect Cells

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

Calculated MW
113.3 kDa

Observed MW
100-120 kDa

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.

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.

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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

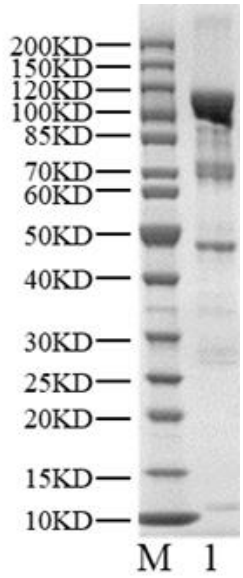
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

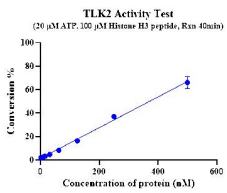
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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



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.