Recombinant Human p21-activated kinase 4/PAK4 Kinase

Catalog No.: RP03366LQ

Sequence Information

Species
Human

Gene ID
10298

Swiss Prot
O96013

Tags
N-His

Synonyms
PAK4; KIAA1142; p21-activated kinase 4; PAK-4

Product Information

Source
E. coli

Purification
≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
65.9 kDa

Observed MW
60-70 kDa

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

Formulation
Supplied as a 0.22 μm filtered solution in 20 mM Tris-HCl, 5% glycerol, 200 mM NaCl. (pH 8.0). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Serine/threonine-protein kinase PAK 4 is an enzyme that in humans is encoded by the PAK4 gene. PAK4 is one of six members of the PAK family of serine/threonine kinases which are divided into group I (PAK1, PAK2 and PAK3) and group II (PAK4, PAK6 and PAK5/7). PAK4 localizes in sub-cellular domains of the cytoplasm and nucleus. PAK4 regulates cytoskeleton remodeling, phenotypic signaling and gene expression, and affects directional motility, invasion, metastasis, and growth. Similar to PAK1, PAK4-signaling-dependent cellular functions also regulate both physiologic and disease processes such as cancer, as PAK4 is overexpressed and/or hyperstimulated in human cancer, at-large.

Basic Information

Description
Recombinant Human p21-activated kinase 4/PAK4 Kinase is produced by E. coli expression system. The target protein is expressed with sequence (Met1-Arg591) of Human PAK4 (Accession #O96013) fused with a N-His tag.

Activity
The activity of PAK4 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℃

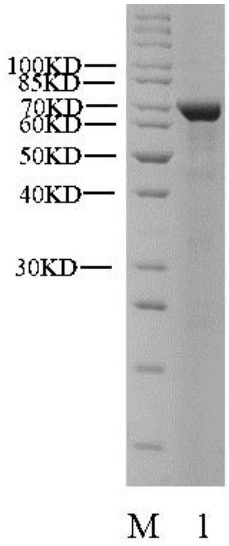
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

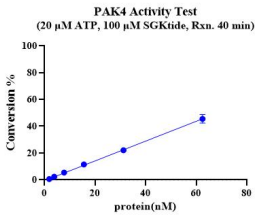
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Validation Data



Recombinant Human p21-activated kinase 4/PAK4 Kinase was resolved with SDS-PAGE under reducing (Lane 1) conditions.



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