Recombinant Human p21-activated kinase 6/PAK6 Kinase

Catalog No.: RP03345LQ

Sequence Information

Species	Gene ID
Human	56924
Swiss Prot	**Tags**
Q9NQU5	N-His

Synonyms
PAK6; PAK5; p21-activated kinase 6; Serine/threonine-protein kinase PAK 6

Product Information

Source	Purification
E. coli	≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.
Calculated MW	**Observed MW**
34.9 kDa	28-38 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, 500 mM NaCl, 20% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Serine/threonine-protein kinase PAK 6 (PAK6) belongs to the Group II PAK family members. Following the general structural organization of the group II PAKs, PAK6 also contains a kinase, and a GTPase interacting domain. The proteins of PAK family are Rac/Cdc42-associated Ste20-like Ser/Thr protein kinases, characterized by a highly conserved amino-terminal Cdc42/Rac interactive binding (CRIB) domain and a carboxyl-terminal kinase domain. PAK6 kinase activity is positively regulated by androgen receptor, p38MAPK, 5-fluorouracil and atypical Rho family GTPase Chp/RhoV. PAK6 expression is negatively regulated by miR-328, miR-429 and miR-23a.

Basic Information

Description
Recombinant Human p21-activated kinase 6/PAK6 Protein is produced by E. coli expression system. The target protein is expressed with sequence (G383-Tyr674) of Human PAK6 (Accession #Q9NQU5) fused with a N-His tag.

Activity
The activity of PAK6 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

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℃

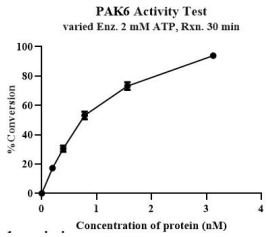
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

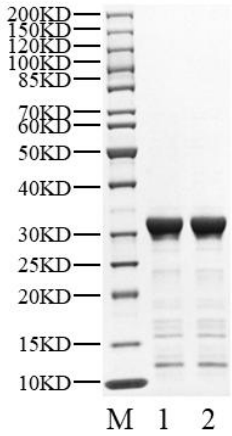
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



The activity of PAK6 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.



Recombinant Human p21-activated kinase 6/PAK6 Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.