

# Recombinant Human p21-activated kinase 6/PAK6 Protein

Catalog No.: RP03345LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	56924	Q9NQU5

### Tags

N-His

### Synonyms

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

## Product Information

Source	Purification
E. coli	> 90% by SDS-PAGE and HPLC

Calculated MW	Observed MW
34.9 kDa	28-38 kDa

### Endotoxin

< 1.0 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.

## Contact

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## 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.

### Bio-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.

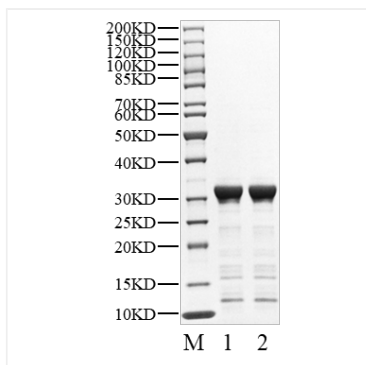
### Storage

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.

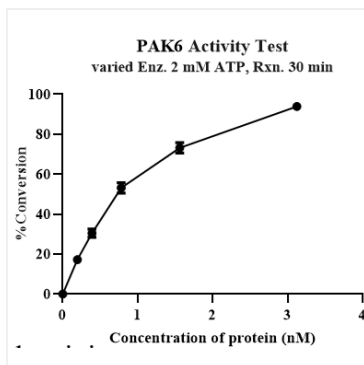
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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## Validation Data



Recombinant Human p21-activated kinase 6/PAK6 Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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