

## Recombinant Human PAK6 protein (His Tag)

**Catalog Number:** PDEH101018

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

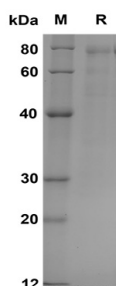
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human PAK6 protein Met1-Cys681, with an N-terminal His & C-terminal His
<b>Mol_Mass</b>	74.8 kDa
<b>Accession</b>	Q9NQU5
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 80% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Human PAK6 proteins, 2µg/lane of Recombinant Human PAK6 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 80 KD.

### Background

As downstream targets of the Rho GTPases, the p21-activated kinase (PAK) family of serine/threonine kinases regulates the organization of the actin cytoskeleton in mammalian cells. The PAK family is structurally categorized in two groups, each with three members: group I PAK1-3, and group II PAK4-6. PAK6 is expressed most highly in brain and testes, with lower levels in multiple tissues. Both MKK6 and p38 MAPK activate PAK6, suggesting a role for this kinase in the cellular stress response.

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Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017