Recombinant Human PAK6 Protein (His Tag)

Catalog Number: PDEH101018

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

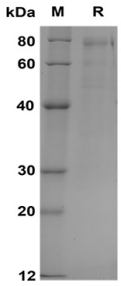
Description

Species	Human
Source	E.coli-derived Human PAK6 protein Met1-Cys681, with an N-terminal His & C-terminal His
Calculated MW	74.8 kDa
Observed MW	80 kDa
Accession	Q9NQU5
Bio-activity	Not validated for activity

Properties

Purity	> 80% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	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, 2 μg/lane of Recombinant Human PAK6 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 80 kDa.

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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com