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# Recombinant Human PAK6 protein (His tag)

Catalog Number:PDEH100365



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

## Description

<b>Synonyms</b>	Serine/threonine-protein kinase PAK 6;PAK6;p21-activated kinase 6 (PAK-6)
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Cys 681
<b>Accession</b>	Q9NQU5
<b>Calculated Molecular Weight</b>	74.8 kDa
<b>Observed molecular weight</b>	80 kDa
<b>Tag</b>	N-His & C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<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 sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## 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.

## For Research Use Only

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