

Datasheet for ABIN5570004
PAK6 Protein (AA 385-680)

2 Images

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Overview

Quantity:	10 µg
Target:	PAK6
Protein Characteristics:	AA 385-680
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS), Functional Studies (Func)

Product Details

Purpose:	PAK6 (Human) Recombinant Protein
Sequence:	GPHM VTHEQFKAAL RMVVDQGDPR LLLDSYVKIG EGSTGIVCLA REKHSGRQVA VKMMDLRKQQ RRELLFNEVV IMRDYQHFNV VEMYKSYLVG EELWVLMEFL QGGALTDIVS QVRLNEEQIA TVCEAVLQAL AYLHAQGVIIH RDIKSDSILL TLDGRVKLSD FGFCQAISKD VPKRK <u>S</u> LVGTPYWMAP EVISRSLYAT EVDIWSLGIM VIEMVDGEPP YFSDSPVQAM KRLRDSPPPK LKNSHKVSPV LRDFLERMLV RDPQERATAQ ELLDHPFLLQ TGLPECLVPL IQLYRKQTST The first 4 residues GPHM are from Turbo3C Protease cleavage site. The underlined S is phosphorylated S560.
Characteristics:	Human PAK6 kinase domain (Q9NQU5, 385 a.a. - 680 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> . This product with activity data is belong to bioactive protein.

Product Details

Purification: Escherichia coli expression system

Target Details

Target: PAK6

Alternative Name: PAK6 ([PAK6 Products](#))

Background: Full Gene Name: p21 protein (Cdc42/Rac)-activated kinase 6
Synonyms: PAK5

Gene ID: 56924

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: *Escherichia coli* expression system
Product Quality tested by: Loading 7 ug protein in SDS-PAGE

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: In 25 mM Tris-HCl pH 8.0, 150 mM NaCl, 10 % glycerol, 5 mM DTT.

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -80 °C

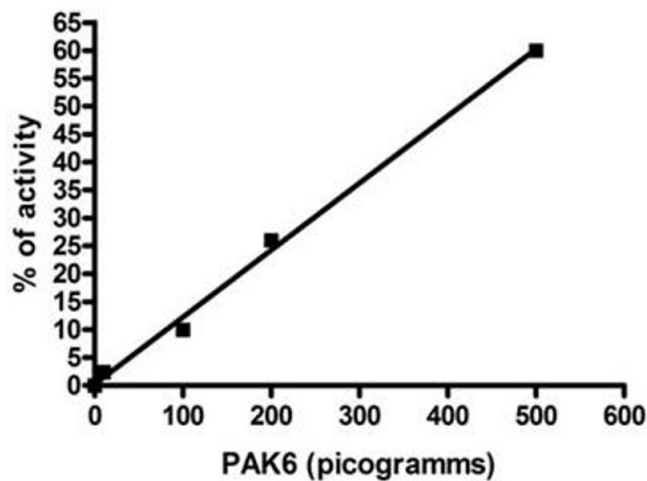


Image 1. Analysis of enzymatic activity was performed according to the Zlyte assay protocol (Invitrogen): 1. Different concentrations of PAK6 were incubated in a buffer containing 50 mM HEPES pH 7.5, 10 mM MgCl₂, 1 mM EGTA, 200 μ M ATP, 0.01% Brij-35, and 2 μ M substrate (SER/THR 14, Invitrogen) at RT for 1 hour. 2. Developer solution was added to the reaction and the reaction was stopped after 1 hour of incubation at RT. 3. Fluorescence was then detected using $\lambda_{exc}=460\pm40$ nm and $\lambda_{em}=528\pm20$ nm filters.

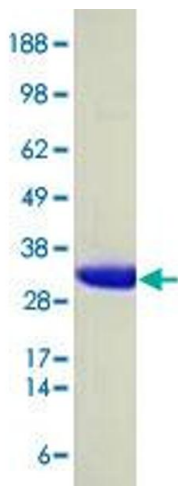


Image 2.