

Recombinant human PAK4 protein

Catalog Number: PAK0901

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-591aa

UniProt No.

O96013

NCBI Accession No.

NP_001014831

Alternative Names

p21-activated kinase 4 isoform 1, p21 protein (Cdc42/Rac)-activated kinase 4, Serine/threonine-protein kinase, PAK 4, p21 activated kinase 4 isoform 1, p21-activated kinase 4 isoform 1 KIAA1142, p21 activated kinase 4, p21(CDKN1A) activated kinase 4, Protein kinase related to S.cerevisiae STE20 effector for Cdc42Hs, Serine threonine kinase PAK 4, Serine/threonine protein kinase PAK 4, Serine/threonine protein kinase PAK4.

PRODUCT SPECIFICATION

Molecular Weight

68.3 kDa (628aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 25mM HEPES buffer (pH 7.4) containing 150mM NaCl, 5mM MgCl₂, 30% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PAK4 is a member of the group B family of p21-activated kinases (PAK). It's identified as an effector protein for

Recombinant human PAK4 protein

Catalog Number: PAK0901

cell division cycle 42 (Cdc42) and protein that play an important role in regulating cytoskeletal organization and cell morphology. Its expression is elevated in many cancer cell lines, and suggested that it plays an important role in tumorigenesis. Recombinant PAK4 protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

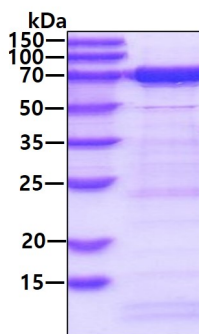
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSH>MFG KRKKRVEISA PSNFEHRVHT GFDQHEQKFT
GLPRQWQSLI EESARRPKPL VDPACITSIQ PGAPKTIVRG SKGAKDGALT LLLDEFENMS VTRSNSLRD SPPPPARARQ
ENGMPEEPAT TARGGPGKAG SRGRFAGHSE AGGGSGDRRR AGPEKRPKSS REGSGGPQES SRDKRPLSGP
DVGTPQPAGL ASGAKLAAGR PFNTYPRADT DHPSRGAQGE PHDVAPNGPS AGGLAIPQSS SSSSRPPTRA RGAPSPGVLG
PHASEPQLAP PACTPAAPAV PGPPGPRSPQ REPQRVSHEQ FRAALQLVVD PGDPRS YLDN FIKIGEGSTG IVCIATVRSS
GKLVAVKKMD LRKQQRRELL FNEVVIMRDY QHENVVEMYN SYLVGDELWV VMEFLEGGAL TDIVTHTRMN EEQIAAVCLA
VLQALSVLHA QGVIHRDIKS DSILLTHDGR VKLSDFGFCA QVSKEVPRRK SLVGTPYWMA PELISRLPYG PEVDIWSLGI
MVIEMVDGEP PYFNEPPLKA MKMIRDNLPP RLKLNHVKVSP SLKGFDRLL VRDPAQRATA AELLKHPFLA KAGPPASIVP
LMRQNRTR

General References

- Liu Y., et al. (2008). *Mol Cancer Res.* 6(7):1215-24.
Li X., et al. (2005). *J Biol Chem.* 280(50):41192-200.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.