Datasheet for ABIN2728177

PAK4 Protein (Transcript Variant 1)

1 Image

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Overview

Quantity:	10 µg
Target:	PAK4
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func), Antibody Production (AbP), Standard (STD), Protein Interaction (PI)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	• Recombinant human PAK4 (transcript variant 1) protein expressed in E. coli. • Produced with end-sequenced ORF clone • Tested for bioactivity.
Purity:	> 90 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	<0.1 ng/µg of protein (<1EU/µg).
Biological Activity Comment:	Specific activity was determined as 5,595 pmoles/min/µg, according to the Zlyte assay protocol

Target Details

Target:	PAK4

Target Details

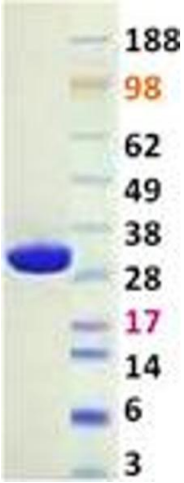
Alternative Name:	Pak4 (PAK4 Products)
Background:	PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Molecular Weight:	33.3 kDa
NCBI Accession:	NP_005875
Pathways:	RTK Signaling

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays Protein-protein interaction In vitro biochemical assays and cell-based functional assays
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	25 mM Tris-HCl pH 8.0, 150 mM NaCl, 10 % glycerol, 5 mM DTT.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot

