Datasheet for ABIN2728179

PAK6 Protein (Transcript Variant 1)

1 Image

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Overview

Quantity:	10 µg
Target:	PAK6
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), Protein Interaction (PI), Standard (STD)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	• Recombinant human PAK6 (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 2,086 pmoles/min/µg, according to the Zlyte assay protocol

Target Details

Target:	PAK6

Target Details

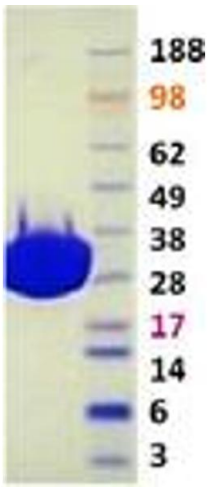
Alternative Name:	Pak6 (PAK6 Products)
Background:	This gene encodes a member of a family of p21-stimulated serine/threonine protein kinases, which contain an amino-terminal Cdc42/Rac interactive binding (CRIB) domain and a carboxyl-terminal kinase domain. These kinases function in a number of cellular processes, including cytoskeleton rearrangement, apoptosis, and the mitogen-activated protein (MAP) kinase signaling pathway. The protein encoded by this gene interacts with androgen receptor (AR) and translocates to the nucleus, where it is involved in transcriptional regulation. Changes in expression of this gene have been linked to prostate cancer. Alternative splicing results in multiple transcript variants.
Molecular Weight:	34.2 kDa
NCBI Accession:	NP_064553

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