

Datasheet for ABIN2728183

PAK7 Protein (Transcript Variant 2)[Go to Product page](#)**1** Image

Overview

Quantity:	10 µg
Target:	PAK7
Protein Characteristics:	Transcript Variant 2
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:	<ul style="list-style-type: none">• Recombinant human PAK7 / PAK5 (transcript variant 2) 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 4,199 pmoles/min/µg, according to the Zlyte assay protocol

Target Details

Target:	PAK7
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Target Details

Alternative Name: Pak7,pak5 ([PAK7 Products](#))

Background: The protein encoded by this gene is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases, which have been implicated in the regulation of cytoskeletal dynamics, proliferation, and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif, and has been shown to bind CDC42 in the presence of GTP. This kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. This kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described.

Molecular Weight: 33.9 kda

NCBI Accession: [NP_817127](#)

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

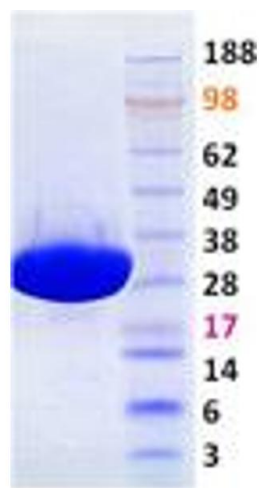
Handling

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