

Datasheet for 009-001-S78S**PAK2 protein-GST fusion****Overview**

Description:	PAK2 recombinant protein-GST fusion protein - 009-001-S78S
Item No.:	009-001-S78S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	PAK2 proteins is a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK2 is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell (1). The CDC42 and RAC1 induce autophosphorylation of PAK2, which stimulates sustained phosphorylation of other substrates (2). PAK2 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, ERK/MAPK Pathway, Inflammation, Invasion/Metastasis, Neurobiology, and Ser/Thr Kinases research.
Synonyms:	PAK65, PAKgamma, Serine/threonine-protein kinase PAK 2
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	PAK2
Purity/Specificity:	Recombinant full-length human PAK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >70% by densitometry.
Relevant Links:	• NCBI - NM_002577

Application Details

Application Note:	PAK2 Protein is stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. PAK2 Protein is suitable for use in Western Blot. Expect a band approximately ~87kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.1ug/ul
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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