10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PAK4, Active recombinant protein

PAK, Serine/threonine-protein kinase
Catalog # PBV11283r

Specification

PAK4, Active recombinant protein - Product info

Primary Accession	O96013
Concentration	0.1
Calculated MW	~90.0 kDa KDa

PAK4, Active recombinant protein - Additional Info

Gene ID	10298
Gene Symbol	PAK4

Other Names
PAK, Serine/threonine-protein kinase

Source	Baculovirus (Sf9 insect cells)
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes

Format
Liquid

Storage
-80°C; Recombinant protein in storage buffer (50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol).

PAK4, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PAK4, Active recombinant protein - Images

PAK4, Active recombinant protein - Background

PAK4 is a recently identified member of the p21-activated kinases (PAKs) which have been implicated in the regulation of cell morphology, motility and transformation. These serine/threonine kinases are activated by and are effectors of small GTPases, cdc 42 and Rac. PAK4 belongs to the Group II PAKs which also includes PAK5 and PAK6 while Group I PAKs comprise of PAK1, PAK2 and

PAK3. PAK4 differs from other members of the PAK family both in sequence and function. PAK4 has been shown to regulate cell morphology and cytoskeletal organization in mammalian cells. PAK4 regulates the activity of LIM kinase 1 which in turn phosphorylates Cofilin leading to cytoskeletal changes. PAK4 can protect cells from apoptosis in response to several different types of stimuli by inhibiting the pro-apoptotic proteins Bad and Caspase 8. PAK4 has been shown to associate with and mediate the downstream signaling of the keratinocyte growth factor receptor. In addition, PAK4 interacts with the β5 integrins and regulates cell migration during engagement of the αvβ5 integrin receptor.

PAK4, Active recombinant protein - References

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Melnick M.B.,et al.Submitted (MAY-1997) to the EMBL/GenBank/DDBJ databases.
Hirosawa M.,et al.DNA Res. 6:329-336(1999).
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