

## Product datasheet for **AR09065PU-L**

### PAK4 (1-591, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	PAK4 (1-591, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> GMASMTGGQQ MGRDLYDDDD KDRWGSHMFG KRKKRVEISA PSNFEHRVHT GFDQHEQKFT GLPRWQSLI EESARRPKPL VDPACITSIQ PGAPKTIVRG SKGAKDGALT LLLDEFENMS VTRSNSLRD SPPPPARARQ ENGMPEEPAT TARGGPGKAG SRGRFAGHSE AGGGSGDRRR AGPEKRPKSS REGSGGPQES SRDKRPLSGP DVGTPQPAGL ASGAKLAAGR PFNTYPRADT DHPSRGAQGE PHDVAPNGPS AGGLAIPQSS SSSSRPPTRA RGAPSPGVLG PHASEPQLAP PACTPAAPAV PGPPGPRSPQ REPQRVSHEQ FRAALQLVVD PGDPRSILDN FIKIGEGSTG IVCIATVRSS GKLVAVKKMD LRKQQRRELL FNEVIMRDY QHENVEMYN SYLVGDELWW VMEFLEGGAL TDIVTHTRMN EEQIAAVCLA VLQALSVLHA QGVIHRDIKS DSILLTHDGR VKLSDFGFCA QVSKEVPRRK SLVGTPYWMA PELISRLPYG PEVDIWSLGI MVIEMVDGEP PYFNEPPLKA MKMIRDNLPP RLKNLHKVSP SLKGFDRLL VRDPAQRATA AELLKHPFLA KAGPPASIVP LMRQNRTR
Tag:	His-tag
Predicted MW:	68.3 kDa
Concentration:	lot specific
Purity:	>85 % by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 50 mM Tris-HCl pH 8.0, 2 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant PAK4 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001014831</u>



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Locus ID: 10298

UniProt ID: [O96013](#), [A0A024R0J1](#)

Cytogenetics: 19q13.2

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Axon guidance, ErbB signaling pathway, Focal adhesion, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway

### Product images:

