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Product datasheet for TP723907

PAK6 (NM_020168) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant kinase domain protein of human p21 protein (Cdc42/Rac)-activated kinase 6 (PAK6), transcript variant 1, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	GPHPVTHEQF KAALRMVVDQ GDPRLLLDSY VKIGEGSTGI VCLAREKHSG RQVAVKMMDL RKQQRRELLF NEVVIMRDYQ HFNVVEMYKS YLVGEELWVL MEFLQGGALT DIVSQVRLNE EQIATVCEAV LQALAYLHAQ GVIHRDIKSD SILLTLDGRV KLSDFGFCAQ ISKDVPKRKS LVGTPYWMAP EVISRSLYAT EVDIWSLGIM VIEMVDGEPP YFSDSPVQAM KRLRDSPPPK LKNSHKVSPV LRDFLERMLV RDPQERATAQ ELLDHPFLLQ TGLPECLVPL IQLYRKQTST
Tag:	Tag Free
Predicted MW:	34.2 kDa
Concentration:	lot specific
Purity:	>90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl pH 8.0, 150 mM NaCl, 10% glycerol, 5 mM DTT.
Bioactivity:	Specific activity was determined as 2,086 pmoles/min/µg, according to the Zlyte assay protocol
Endotoxin:	< 0.1 ng/µg of protein (< 1EU/µg)
Storage:	Store at -80°C.
Stability:	Stable at -80°C for 12 months from date of receipt. Protein should be thawed on ice. Protein can be flash-frozen in liquid nitrogen and stored at -80°C.
RefSeq:	NP_064553
Locus ID:	56924
UniProt ID:	Q9NQU5, A0A024R9Q4
RefSeq Size:	3950
Cytogenetics:	15q15.1
RefSeq ORF:	2043

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Synonyms: PAK5

Summary: 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. [provided by RefSeq, Dec 2015]

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: