

Recombinant Human PAK6, GST-His

Cat. No. PAK6-724H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PAK6, full length, amino acids M1-C681, N-terminally fused to GST-HIS6-Thrombin cleavage site, expressed in Sf9 insect cells. MW = 104,780 Da.
Species	Human
Source	Sf9 Cells
Protein Length	1-681 a.a.
Description	PAK kinases are implicated in the regulation of a number of cellular processes, including cytoskeleton rearrangement, apoptosis and the MAP kinase signaling pathway. The protein encoded by this gene was found to interact with androgen receptor (AR), which is a steroid hormone-dependent transcription factor that is important for male sexual differentiation and development.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	PAK6 was confirmed as PAK6 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
Storage Buffer	50 mM HEPES-NaOH, pH 7.5; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol.
Concentration	0.082 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).

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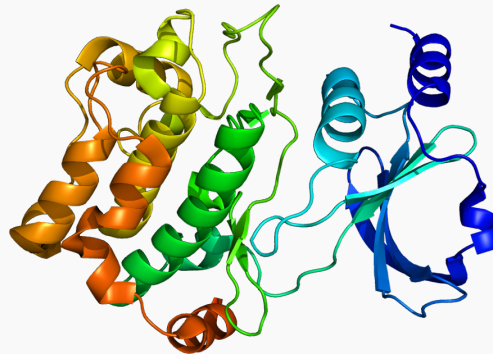
Specific Activity	7 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!
Full Length	Full L.
GENE INFORMATION	
Gene Name	PAK6 p21 protein (Cdc42/Rac)-activated kinase 6 [Homo sapiens]
Synonyms	PAK6; p21 protein (Cdc42/Rac)-activated kinase 6; PAK5; p21-activated kinase 6; p21(CDKN1A)-activated kinase 6; p21-activated protein kinase 6; EC 2.7.11.1
Gene ID	56924
mRNA Refseq	NM_001128628
Protein Refseq	NP_001122100
MIM	608110
UniProt ID	Q9NQU5
Chromosome Location	15q14
Pathway	Axon guidance; ErbB signaling pathway; Focal adhesion; Regulation of actin cytoskeleton; Renal cell carcinoma; T cell receptor signaling pathway
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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