

PAK4

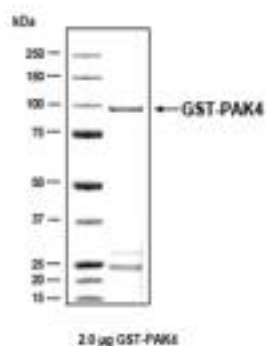
Recombinant Human PAK4 Active GST-His

Catalog No.	CSI11187	Quantity:	50 µg
Alternate Names:	p21(CDKN1A)-activated kinase 4, p21-activated kinase 4, protein kinase related to S. cerevisiae STE20, effector for Cdc42Hs		
Description:	Human PAK4, full length, amino acids M ₁ -R ₅₉₁ (as in GenBank entry NM_005884)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site, expressed in Sf9 insect cells. *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.154 µg/µl		
Gene ID:	10298		
Protein Accession No:	NM_005884		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 93,968 Da		
Formulation:	50 mM Tris-HCl pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	PAK4 was confirmed as PAK4 by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	3 pmol/µg×min Method for determination of Km value and specific activity: • Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl ₂ 3 mM MnCl ₂ 3 µM Na-orthovanadate 1.2 mM DTT 2.5 µg / 50 µl PEG _{20,000} ATP (variable) Substrate: tetra(LRRWSLG), 2.5 µg / 50 µl PAK4: 200 ng / 50 µl • Filter binding assay MSPH membrane (Millipore)		
Storage & Stability:	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		

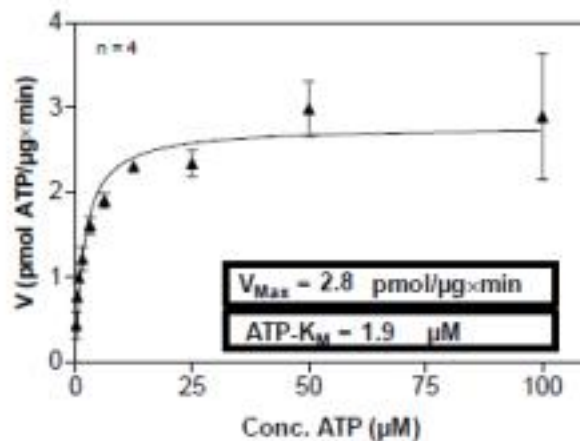
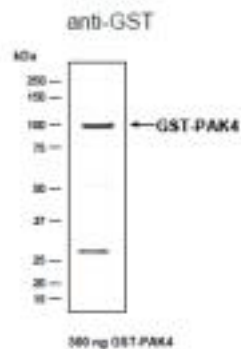


Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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