

PAK1

Recombinant Human p21 Protein (Cdc42/Rac)-activated Kinase 1 Active GST-His

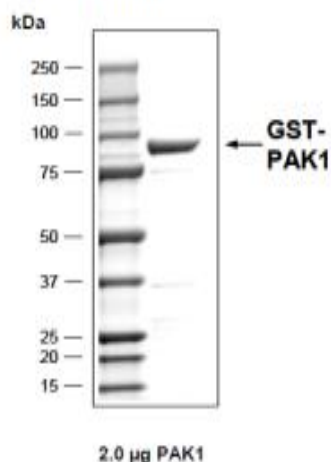
Catalog No.	CRP031	Quantity:	50 µg
Alternate Names:	PAK-alpha, AlphaPAK		
Description:	Human PAK1, full length, amino acids M ₁ -H ₅₄₅ (as in NCBI/Protein entry NP_002567.1), N-terminal GST-HIS ₆ fusion protein with a Thrombin cleavage site, expressed in Sf9 insect cells.		
Concentration:	0.608 µg/µl		
Gene ID:	5058		
Protein Accession No:	NM_016231		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 90,542 Da		
Formulation:	50 mM HEPES pH 7.5 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	GST-Affinity Chromatography		
Product Identity:	PAK1 was confirmed as PAK1 by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	Specific activity: 386 pmol/µg×min ATP-KM: 27.1 µMPAK1 Method for determination of K_m value and specific activity: - Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl₂ 3 mM MnCl₂ 3 µM Na-orthovanadate 1.2 mM DTT 50 µg / ml PEG_{20,000} ATP (variable) Substrate: Myelin Basic Protein, 2.0 µg / ml MST4: 2.0 µg / ml - Filter binding assay MAFC membrane (Millipore)		



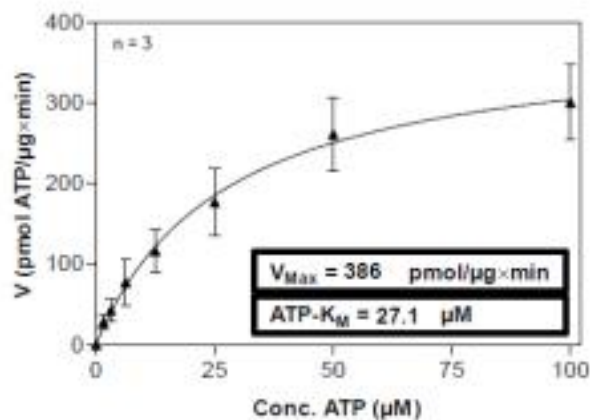
Amino Acid Sequence: MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL
 EFPNLPYYID GDVKLTQ SMA IIRYIADKHN MLGGCPKERA EISMLEGAVL
 DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
 PDFMLYDALD VVLYMDPMCL DAFPKLVC FK KRIEAI PQID KYLKSSKYIA
 WPLQGWQATF GGGDHPPKSD PMGHHHHHHG RRRASVAAGI LVPRGSPGLD
 GIYARGIQAS **MSNGLDIQD KPPAPPMRNT STMIGAGSKD AGTLNHGSKP**
LPPNPEEKKK KDRFYRSILP GDKTNKKKEK ERPEISLPSD FEHTIHVGFD
AVTGEFTGMP EQWARLLQTS NITKSEQKKN PQAVLDVLEF YNSKKTNSQ
KYMSFTDKSA EDYNSSNALN VKAVSETPAV PPVSEDEDDD DDDATPPPVI
APRPEHTKSV YTRSVIEPLP VTPTRDVATS PISPTEENNTT PPDALTRNTE
KQKKKPKMSD EEILEKLRSI VSVGDPKKKY TRFEKIGQGA SGTVYTAMDV
ATGQEVAIKQ MNLQQQPKKE LIINEILVMR ENKNPNIVNY LDSYLVGDEL
WVMEYLAGG SLTDVVTETC MDEGQIAAVC RECLQALEFL HSNQVIHRDI
KSDNILLGMD GSVKLTDFGF CAQITPEQSK RSTMVGTPYW MAPEVVTRKA
YGPKVDIWSL GIMAIEMIEG EPPYLNENPL RALYLIATNG TPELQNPEKL
SAIFRDFLNR CLEMDVEKRG SAKELLQH QF LKIAKPLSSL TPLIAAAKEA TKNNH

Storage & Stability: Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

PAK1
Coomassie stain



PAK1
Determination of V_{max} and K_M value for ATP



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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