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TNK2

ACK1 Recombinant Human Activated CDC42 Kinase 1 (aa 110 -476) Active GST-His

Catalog No.	CRA014A	**Quantity:**	10 µg

Alternate Names: ACK, ACK1, FLJ44758, FLJ45547, p21cdc42Hs, activated Cdc42-associated kinase 1, activated p21cdc42Hs kinase

Description: Human ACK1, internal fragment, amino acids G_{110}-W_{476} (as in NCBI/Protein entry NP_005772.3), N-terminal GST-HIS_6 fusion protein with a Thrombin cleavage site, expressed in Sf9 insect cells

Concentration: 0.165 µg/µl

Gene ID: 10188

Protein Accession No: NP_005772.3

Source: Baculovirus infected Sf9 cells

Molecular Weight: 71,130 Da

Formulation: 50 mM HEPES pH 7.5 + 100 mM NaCl + 5 mM DTT + 15 mM reduced glutathione, 20% glycerol

Purification: GST-Affinity Chromatography

Specific Activity: 72 pmol/µg×min
Method for determination of K_m 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: $Poly(Glu:Tyr)_{4:1}$
(Sigma P-0275), 40 µg / ml
ACK1: 4.0 µg / ml
• Filter binding assay
MSFC membrane

Amino Acid Sequence: MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD PMGG RRRASVAAGI LVPRGSPGLD GICSR**GEGPL QSLTCLIGEK DLRLLEKLGD GSFGVVRRGE WDAPSGKTVS VAVKCLKPDV LSQPEAMDDF IREVNAMHSL DHRNLIRLYG VVLTPPMKMV TELAPLGSLL DRLRKHQGHF LLGTLSRYAV QVAEGMGYLE SKRFIHRDLA ARNLLLATRD LVKIGDFGLM RALPQNDDHY VMQEHRKVPF AWCAPESLKT RTFSHASDTW MFGVTLWEMF TYGQEPWIGL NGSQILHKID KEGERLPRPE DCPQDIYNVM

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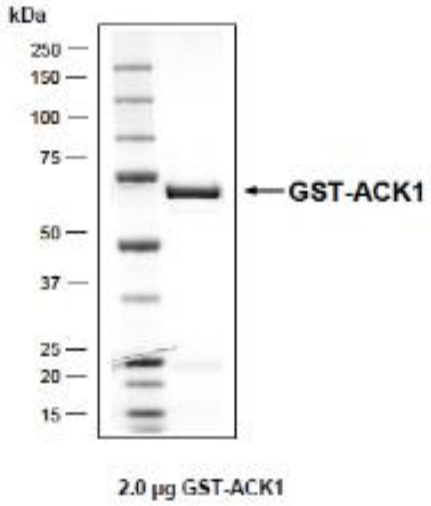
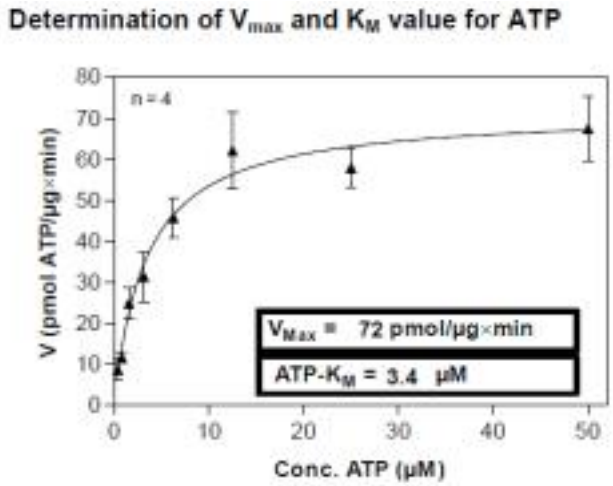
VQCWAHKPED RPTFVALRDF LLEAQPTDMR ALQDFEEPDK LHIQMNDVIT VIEGRAENYW WRGQNTRTLC VGPFPRNVVT SVAGLSAQDI SQPLQNSFIH TGHGDSDPRH CW

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

Coomassie stain:





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