

SRC

Recombinant Human SRC Oncogene Protein Kinase Active GST-His

Catalog No.	CSI12294	Quantity:	50 µg
Alternate Names:	ASV, SRC1, c-SRC, p60-Src, proto-oncogene tyrosine-protein kinase SRC, protooncogene SRC, Rous sarcoma, tyrosine kinase pp60c-src, tyrosine-protein kinase SRC-1		
Description:	Human SRC, full length, amino acids M ₁ -L ₅₃₆ (as in GenBank entry NM_005417), G2A mutated, N-terminal GST-HIS ₆ fusion protein with a Thrombin cleavage site, expressed in Sf9 insect cells		
Concentration:	0.239 µg/µl		
Gene ID:	6714		
Protein Accession No:	NM_005417		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 89,744 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:	SRC was confirmed as SRC by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	254 pmol/µg×min		

Method for determination of Km 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

2.5 µg / 50 µl PEG_{20,000}

ATP (variable)

Substrate: Poly(Glu:Tyr)_{4,1} (Sigma P-0275), 1 µg / 50 µl

Recombinant SRC: 20 ng / 50 µl

• Filter binding assay

MSFC membrane (Millipore)



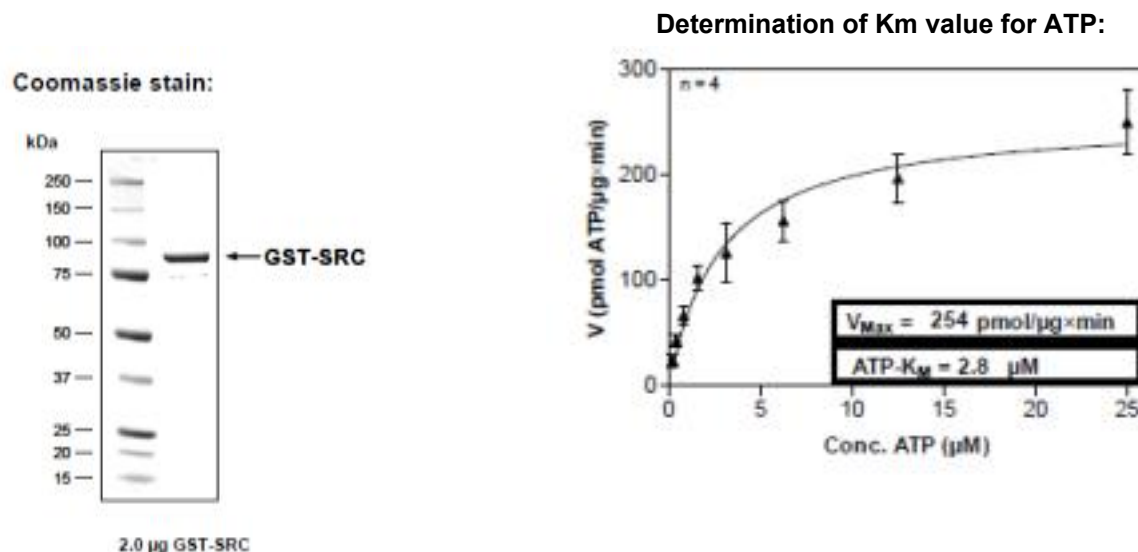
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Amino Acid Sequence: MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSSKYIA
WPLQGWQATF GGGDHPPKSD PMGHHHHHHG RRRASVAAGI LVPRGSPGLD
GIYARGIQAS **MASNKSKPKD ASQRRRSLEP AENVHGAGGG AFPASQTPSK**
PASADGHRGP SAAFAPAAAE PKLFGGFNSS DTVTSPQRAG PLAGGVTTFV
ALYDYESRTE TDLSFKKGER LQIVNTEGD WWLAHSLSTG QTGYIPSNYV
APSDSIQAE WYFGKITRRE SERLLLNAEN PRGTFLVRES ETTKGAYCLS
VSDFDNAKGL NVKHYKIRKL DSGGFYITSR TQFNSLQQLV AYYSKHADGL
CHRLTTVCPT SKPQTQGLAK DAWEIPRESL RLEVKLGGC FGEVWMGTWN
GTTTRVAIKTL KPGTMSPEAF LQEAQVMKKL RHEKLVQLYA VVSEPIYIV
TEYMSKGSLL DFLKGETGKY LRLPQLVDMA AQIASGMAYV ERMNYVHRDL
RAANILVGEN LVCKVADFGL ARLIEDNEYT ARQGAKFPIK WTAPEAAALYG
RFTIKSDVWS FGILLTELT KGRVPYPGMV NREVLQDQVER GYRMPCPPEC
PESLHLMCQ CWRKEPEERP TFEYLQAFLE DYFTSTEPQY QPGENL

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



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