

Recombinant Human SRC Kinase/c-SRC Protein (His & GST Tag)



Catalog Number:PKSH030385

Note: Centrifuge before opening to ensure complete recovery of vial contents.

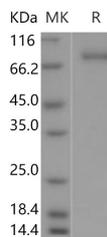
Description

Synonyms	ASV;c-SRC;p60-Src;SRC1
Species	Human
Expression Host	Baculovirus-Insect Cells
Sequence	Met 1-Leu 536
Accession	P12931-1
Calculated Molecular Weight	87.7 kDa
Observed molecular weight	81 kDa
Tag	N-His-GST
Bioactivity	The specific activity was determined to be > 80 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as sterile solution of 50mM Tris, 100mM NaCl, pH 8.0, 20% glycerol, 0.3mM DTT
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Proto-oncogene tyrosine-protein kinase SRC is a hydrophobic protein belonging to the SRC family kinase including nine members that is a family of non-receptor tyrosine kinases. SRC protein may exist in different forms: C-SRC and V-SRC. C-SRC is only activated under certain circumstances where it is required such as growth factor signaling, while V-SRC is a constitutively active as opposed to normal SRC (C-SRC). Thus, V-SRC is an instructive example of an oncogene protein kinase whereas C-SRC is a proto-oncogene protein kinase. Inhibition of SRC with NR2A tyrosine phosphorylation mediated by PSD-95 may contribute to the lithium-induced downregulation of NMDA receptor function and provide neuroprotection against excitotoxicity.

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