

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

Catalog No. PKSM040305

Description

Synonyms	AW259666;pp60c-src
Species	Mouse
Expression_host	Baculovirus-Insect Cells
Sequence	Met1-Leu535
Accession	NP_001020566.111
Mol_Mass	87.7 kDa
AP_Mol_Mass	80 kDa
Tag	N-His-GST
Bio_activity	1. The specific activity was determined to be 780 nmol/min/mg using poly [Glu, Tyr] 4:1 as substrate.2. Measured by its binding ability in a functional ELISA. Immobilized recombinant Mouse SRC at 2 µg/ml (100 µl/well) can bind biotinylated human PTPRA (aa

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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 20mM Tris, 500mM NaCl, 10% gly, pH 8.0
Reconstitution	Not Applicable

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.

SDS-PAGE

