

Datasheet for ABIN7504942

Src Protein (AA 2-287) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Src
Protein Characteristics:	AA 2-287
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Src protein is labelled with His tag.

Product Details

Sequence:	Gly2-Gly287
Characteristics:	A DNA sequence encoding the Human SRC (P12931-1) (Gly2-Gly287) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

Target Details

Target:	Src
Alternative Name:	SRC (Src Products)
Target Type:	Viral Protein
Background:	Abbreviation: SRC,Proto-oncogene c-Src Target Synonym: Proto-oncogene tyrosine-protein kinase Src,Proto-oncogene c-Src,pp60c-src,p60-Src,SRC1

Target Details

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 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.

Molecular Weight: Calculated MW: 31.19 kDa
Observed MW: 33.39 kDa

UniProt: [P12931-1](#)

Pathways: [JAK-STAT Signaling](#), [Neurotrophin Signaling Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Cell-Cell Junction Organization](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#), [CXCR4-mediated Signaling Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Smooth Muscle Cell Migration](#), [Negative Regulation of intrinsic apoptotic Signaling](#), [Platelet-derived growth Factor Receptor Signaling](#), [Thromboxane A2 Receptor Signaling](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [VEGF Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Handling

Expiry Date: 12 months