

# Recombinant Human Proto-oncogene tyrosine-protein kinase Src/SRC Protein

Catalog No.: RP03148LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	6714	P12931-1

### Tags

N-His-GST tag

### Synonyms

ASV; c-SRC; p60-Src; SRC1; pp60c-src

## Product Information

### Source

Baculovirus-Infected Sf9 Cells

### Purification

> 90% by SDS-PAGE

### Calculated MW

87.7 kDa

### Observed MW

81 kDa

### Endotoxin

<0.1EU/μg

### Formulation

Solution in sterile 50mM Tris, 100mM NaCl, pH 8.0, 20% glycerol, 0.3mM DTT.

### Reconstitution

## 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.

## Basic Information

### Description

Recombinant Human Proto-oncogene tyrosine-protein kinase Src/SRC Protein is produced by Baculovirus-Infected Sf9 expression system. The target protein is expressed with sequence (Met 1-Leu 536) of Human Proto-oncogene tyrosine-protein kinase Src/SRC (Accession #NP\_005408.1) fused with a N-His-GST tag.

### Bio-Activity

The specific activity was determined to be  $\approx 80$  nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.

### Storage

Store at -70°C. This product is stable at  $\leq -70^\circ\text{C}$  for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

## Contact

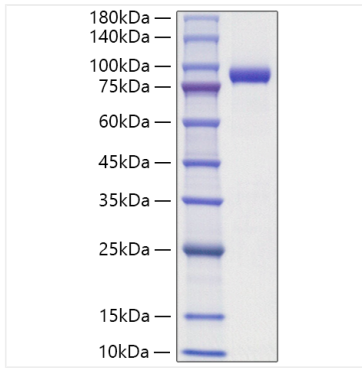
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## Validation Data

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Recombinant Human Src Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 75-100 kDa.