

# 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 Purification

Baculovirus-Infected ≥ 90 % as

Sf9 Cells determined by SDSPAGF.

#### Calculated MW Observed MW

87.7 kDa 81 kDa

#### **Endotoxin**

 $< 0.1 \; \text{EU/}\mu\text{g}$  of the protein by LAL method.

#### **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**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -70°C. This product is stable at  $\leq$  -70°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. Avoid repeated freeze/thaw cycles.

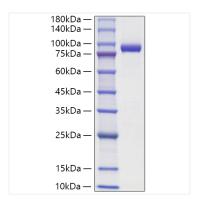
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

#### **Contact**

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## **Validation Data**



Recombinant Human Proto-oncogene tyrosine-protein kinase Src/SRC Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.