

Bioactive

# SRC (Human) Recombinant Protein

Catalog # P6990      Size 100 Units

## Specification

<b>Product Description</b>	Human SRC (226 a.a. - 536 a.a.) partial recombinant protein with an N-terminal GST tag and a C-terminal His tag expressed in Baculovirus-infected sf9 cells.
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	60
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf9) expression system
<b>Purification</b>	GSH agarose and Ni-NTA agarose chromatography
<b>Purity</b>	> 70% by SDS-PAGE
<b>Activity</b>	Assay activity of Src in a 500 uL reaction containing 20mM Hepes KOH (pH7.5), 4 mM MgCl <sub>2</sub> , 2 mM MnCl <sub>2</sub> , 1 mM DTT, 50 mM [gamma <sup>32</sup> P ATP (1 uCi), and 4ug of CycLex-"Tyrosine kinase-binding module". Start the reaction by adding 10 uL of the enzyme, diluted 10-fold in a buffer containing 20 mM Hepes KOH (pH7.5), 1 mM DTT, 0.03% Brij35. Incubate for 69 minutes at 30°C. Terminate the reaction by adding 600 uL of cold 10% TCA solution containing 0.2% Sodium pyrophosphate and stand on ice for 15 min. Filtrate acid insoluble material through GFC filters (Whatman Inc.), wash 4 times with 1% TCA and rinse filters with ethanol. Dry filters and count in a liquid scintillation counter.
<b>Storage Buffer</b>	In 20 mM Hepes-KOH, 50 mM NaCl, pH7.5 (1% BSA, 1 mM EDTA, 2 mM DTT, 0.03% Brij35 and 50 % glycerol)
<b>Storage Instruction</b>	Stable for 12 months at -70°C. Avoid repeated freezing and thawing.
<b>Note</b>	SRC (Human) Recombinant Protein (Cat# P6990) is a positive control designed to use for c-Src Kinase (Human) Assay/Inhibitor Screening Assay Kit (Cat# KA0058). The SRC (Human) Recombinant Protein should be added to the well at 1 unit/well. For instance, diluted this positive control 1:10, use 10 uL for 1 assay.

## Applications

- SDS-PAGE