

Recombinant Mouse Rous Sarcoma Oncogene, SH3 Domain

Cat. No. Src-99M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rous Sarcoma Oncogene protein expressed in <i>E.coli</i> contains SH3 domain and has a molecular mass of 33 kDa.
Species	Mouse
Source	E.coli
Description	V-src Sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian). A function for Src tyrosine kinases in normal cell growth was first demonstrated with the binding of family member p56lck to the cytoplasmic tail of the CD4 and CD8 co-receptors on T-cells. Src tyrosine kinases also transmit integrin-dependent signals central to cell movement and proliferation. Hallmarks of v-src induced transformation are rounding of the cell and the formation of actin rich podosomes on the basal surface of the cell. These structures are correlated with increased invasiveness, a process thought to be essential for metastasis.
Formulation	Recombinant Mouse Src SH3 domain protein at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Application And Suggested Dilutions	•ELISA •Inhibition Assays •Western Blotting.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 33 kDa.

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**Other Arians
Available**

UD DOMAIN, UD/SH3 DOMAIN, UD/SH3/SH2 DOMAIN.

Storage & Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

GENE INFORMATION

Gene Name
[Src Rous sarcoma oncogene \[Mus musculus \]](#)
Synonyms

Src ; Rous sarcoma oncogene; pp60c-src; AW259666

Gene ID
[20779](#)
mRNA Refseq
[NM_001025395](#)
Protein Refseq
[NP_001020566](#)
UniProt ID
[P05480](#)
**Chromosome
Location**

2 89.0 cM

Pathway

Adherens junction; Endocytosis; ErbB signaling pathway; Focal adhesion; Gap junction; GnRH signaling pathway; Tight junction; VEGF signaling pathway

Function

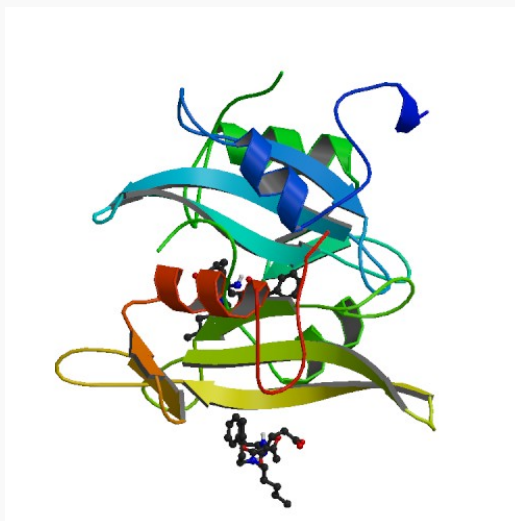
ATP binding; kinase activity; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein domain specific binding; protein kinase activity; protein tyrosine kinase activity; transferase activity

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