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*E.coli*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 100µg/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 Ariants Available	UD DOMAIN, UD/SH3 DOMAIN, UD/SH3/SH2 DOMAIN.
Storage & Stability	Store vial at -20℃to -80℃. 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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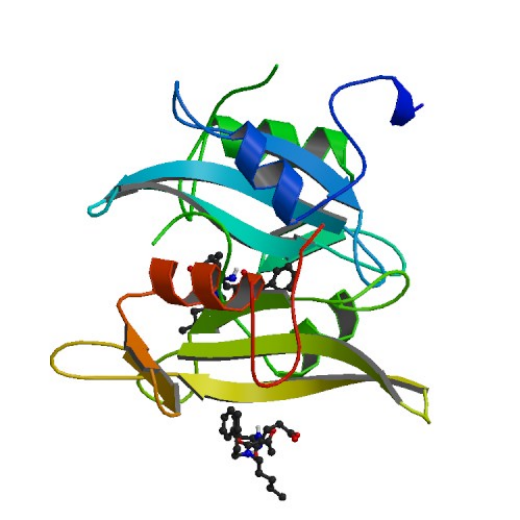
PDB rendering based on 1a07.	

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