

Recombinant Full Length Human SRC Protein, C-Flag-tagged

Cat. No. SRC-407HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SRC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	59.7 kDa
AA Sequence	MGSNKS KPKDASQRRRSLEPAENVHGAGGGAFPASQTPSKPASADGHRGPSAAF APAAAE PKLFGGFNSS DVTSPQRAGPLAGGVTTFVALYDYESRTETDLSFKKGER LQIVNNT EGDWWLAHSLSTGQTGYIPSNYV APSDSIQAEWYFGKITRRESERLLL N AENPRGTFLVRESETTKGAYCLSVSDFDNAKGLNVKHYKIRKL DSGGFYITSRTQFN SLQQLVAYYSKHADGLCHRLTTVCPTSKPQTQGLAKDAWEIPRESLRLEVKLGGQC FGEVWMGTWNGTTRVAIKTLKPGTMSPEAFLQEAQVMKKLRHEKLVQLYAVVSEE PIYIVTEYMSKGSLL DFLKGETGKYLRLPQLVDMAAQIASGMAYVERMNYVHRDLRA

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ANILVGENLVCKVADFGGLARLIEDNEYT ARQGAKFPIKWTAPEAALYGRFTIKSDVW
SFGILLTELTTKGRVPYPGMVNREVLDQVERGYRMPCPPEC
PESLHDLMCQCWRKEPEERPTFEYLQAFLEDYFTSTEPQYQPGENLTRTRPLEQKL
ISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Stem cell relevant signaling - JAK/STAT signaling pathway
Protein Pathways	Adherens junction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Focal adhesion, Gap junction, GnRH signaling pathway, Tight junction, VEGF signaling pathway
Full Length	Full L.

GENE INFORMATION

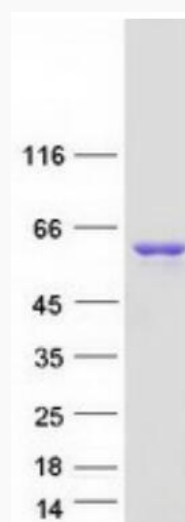
Gene Name	SRC SRC proto-oncogene, non-receptor tyrosine kinase [Homo sapiens (human)]
Official Symbol	SRC

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Synonyms	ASV; SRC1; THC6; c-SRC; p60-Src
Gene ID	6714
mRNA Refseq	NM_005417.5
Protein Refseq	NP_005408.1
MIM	190090
UniProt ID	P12931



Coomassie blue staining of purified SRC protein.