

Recombinant Human SRC protein, His-tagged

Cat. No. SRC-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRC(1-536aa) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-536 a.a.
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	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
AA Sequence	MGSNKS KPKDASQRRRSLEPAENVHGAGGGAFPASQTPSKPASADGHRGPSAAF APAAAE PKLFGGFNSSDTVTSPQRAGPLAGGVTTFVALYDYESRTETDLSFKKGER LQIVNNT EGDWWLAHSLSTGQTGYIPSNYVAPSDSIQAE EWYFGKITRRESERLLL N AENPRGT FLVRESETTKGAYCLSVSDFDNAKGLNVKHYKIRKLD SGGFYITSRTQFN SLQQLVAYYSKHADGLCHRLTTCPTSKPQTQGLAKDAWEIPRESLRLEV KLGQGC FGEVWMGTWNGTTRVAIKTLKPGTMSPEAFLQEAQVMKKLRHEKLVQLYAVVSEE

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PIYIVTEYMSKGSLLDFLKGETGKYLRPLQLVDMASGMAYVERMNYVHRDLRA
ANILVGENLVCKVADFGLARLIEDNEYTARQGAKFPIKWTAPEAALYGRFTIKSDVWS
FGILLTELTTKGRVPYPGMVNREVLQDQVERGYRMPCPPECPESLHDLMCQCWRKE
PEERPTFEYLQAFLEDYFTSTEPQYQPGENL

Purity

90%, by SDS-PAGE with Coomassie Brilliant Blue staining.

Storage

Stability and Storage: Store for up to 12 months at -20 centigrade to -80 centigrade as lyophilized powder.

Storage of Reconstituted Protein: Short-term storage: Store at 2-8 centigrade for two weeks.

Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 6 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name

SRC SRC proto-oncogene, non-receptor tyrosine kinase [Homo sapiens]

Official Symbol

SRC

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Synonyms	ASV; SRC1; THC6; c-SRC; p60-Src; proto-oncogene c-Src; protooncogene SRC, Rous sarcoma; tyrosine kinase pp60c-src; tyrosine-protein kinase SRC-1; v-src avian sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog
Gene ID	6714
mRNA Refseq	NM_005417
Protein Refseq	NP_005408
MIM	190090
UniProt ID	P12931

