

# Recombinant Human v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian) Protein, His-tagged

**Cat. No.** SRC-001H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SRC Protein (1-79aa) with C-His-tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-79aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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. |
| <b>Tag</b>              | C-His                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MGSNKS KPKDASQRRRSLEPAENVHGAGGGAFPASQTPSKPASADGHRGPSAAF<br>APAAAEPKLFGGFNSSDVTVTSPQRAHHHHHHHH                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Endotoxin</b>        | < 1 EU/μg by LAL.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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|                       |                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 90 % by SDS-PAGE                                                                                                                                                  |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Concentration</b>  | 1 mg/mL by BCA                                                                                                                                                      |
| <b>Storage Buffer</b> | Sterile PBS, pH7.4                                                                                                                                                  |

## GENE INFORMATION

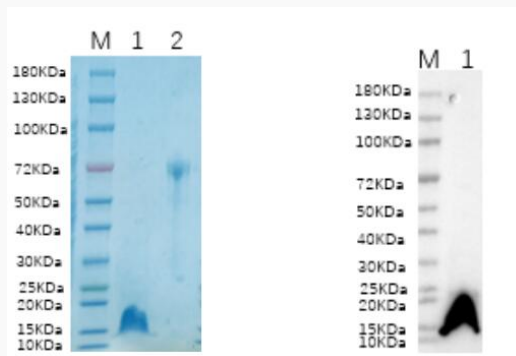
|                        |                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SRC v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian) [Homo sapiens (human)]                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | <a href="#">SRC</a>                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | SRC; v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian); SRC1, v src avian sarcoma (Schmidt Ruppin A 2) viral oncogene homolog; proto-oncogene tyrosine-protein kinase Src; ASV; c src; proto-oncogene c-Src; tyrosine kinase pp60c-src; tyrosine-protein kinase SRC-1; protooncogene SRC, Rous sarcoma; SRC1; c-SRC; p60-Src |
| <b>Gene ID</b>         | <a href="#">6714</a>                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | <a href="#">NM_005417</a>                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | <a href="#">NP_005408</a>                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>             | <a href="#">190090</a>                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | <a href="#">P12931</a>                                                                                                                                                                                                                                                                                                                       |

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**Reducing 4 %-20 %  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
antibody) analysis  
profiles of purified  
SRC.**



1. SRC
2. BSA

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