

## Active Recombinant Human SRC protein, GST-tagged

Cat. No. SRC-1100H    Lot. No. (See product label)

### SPECIFICATION

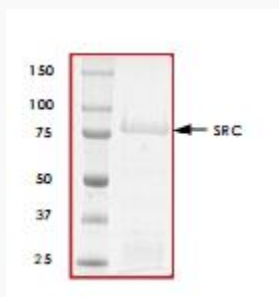
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human SRC fused with GST tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Description      | SRC family belongs to non-receptor tyrosine kinases. SRC was originally identified as a transforming protein of the Rous sarcoma virus (RSV) that had enzymatic ability to phosphorylate tyrosine in protein substrates. SRC is overexpressed and activated in a large number of human malignancies and has been linked to the development of cancer and progression to distant metastases. In addition to increasing cell proliferation, a key role of SRC in cancer seems to be the ability to promote invasion and motility, functions that might contribute to tumour progression. |
| Form             | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Bio-activity     | 98 nmol/min/mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Molecular Mass   | ~83 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity           | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Applications     | Kinase Assay, Western Blot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | 1 year at -70 centigrade from the date of shipment                                                                                                                                                                                               |
| <b>Storage</b>          | Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| <b>Concentration</b>    | 0.1µg/µl                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>        | SRC SRC proto-oncogene, non-receptor tyrosine kinase [ Homo sapiens ]                                                                                                                                                                            |
| <b>Official Symbol</b>  | SRC                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | 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                                |
| <b>Gene ID</b>          | 6714                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_005417                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_005408                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 190090                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | P12931                                                                                                                                                                                                                                           |



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