# Native Human SRC

**Cat. No.** SRC-29697TH **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Fusion protein, corresponding to amino acids 84-145 of Human Src and proprietary protein, approximately 33kDa. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 84-145 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** | Lyophilised:Reconstitute within H2O bid. |
| **Purity** | Immunogen affinity purified |
| **Storage buffer** | Preservative: NoneConstituents: 50mM Potassium phosphate, 20mM Sodium chloride, pH 6.5 |
| **Storage** | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles. |

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| **Sequence Similarities** | Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.Contains 1 protein kinase domain.Contains 1 SH2 domain.Contains 1 SH3 domain. |

## GENE INFORMATION

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| **Gene Name** | SRC v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian) [ Homo sapiens ] |
| **Official Symbol** | SRC |
| **Synonyms** | 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; |
| **Gene ID** | 6714 |
| **mRNA Refseq** | NM_005417 |
| **Protein Refseq** | NP_005408 |
| **MIM** | 190090 |
| **Uniprot ID** | P12931 |
| **Chromosome Location** | 20q12-q13 |
| **Pathway** | ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha-synuclein signaling, |

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| | organism-specific biosystem; |
| **Function** | ATP binding; SH2 domain binding; SH3/SH2 adaptor activity; ephrin receptor binding; heme binding; |

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