

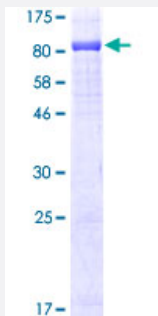
Full-Length

SRC (Human) Recombinant Protein (P01)

Catalog # H00006714-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SRC full-length ORF (NP_005408.1, 1 a.a. - 536 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGSNKS KPKDASQRRRSLEPAENVHGAGGGAFPASQTPSKPASADGHRGPSAAFAPAAAEPK
LFGGFNSSDTVTSPQRAGPLAGGVTTFVALYDYESRTETDLSFKKGERLQVNNTEGDWWLAHSL
STGQTGYPSNYVAPSDSIQAEWYFGKITRRESERLLLNAENPRGTFVLVRESETTKGAYCLSVSD
FDNAKGLNVKHYKIRKLDSSGGFYTSRTQFNSLQQLVAYYSKHADGLCHRLTTVCPTSKPQTQGLA
KDAWEIPRESLRLEVKLGGQCFGEVWMGTWNGTTRVAIKTLKPGTMSPEAFLQEAQVMKKLRH
EKLVLQYAVVSEEPYVTEYMSKGSLLDFLKGETGKYLRLPQLVDMAAQIASGMAYVERMNYVHR
DLRAANILVGENLVCKVADFGRLARLIEDNEYTARQGAKFPIKWTAPAAALYGRFTIKSDVWSFGILL
TELTTKGRVPYPGMVNREVLQDQVERGYRMPCPECPESLHDLMCQCWRKEPEERPTFEYLQAF
LEDYFTSTEPQYQPGENL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86.2

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SRC

Entrez GeneID[6714](#)**GeneBank Accession#**[NM_005417.3](#)**Protein Accession#**[NP_005408.1](#)**Gene Name**

SRC

Gene Alias

ASV, SRC1, c-SRC, p60-Src

Gene Description

v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)

Omim ID[190090](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

OTTHUMP00000174476|OTTHUMP00000174477|proto-oncogene tyrosine-protein kinase SRC|protooncogene SRC, Rous sarcoma|tyrosine kinase pp60c-src|tyrosine-protein kinase SRC-1

Pathway

- [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](#)

Disease

- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Thyroid Neoplasms](#)