

Product Information

Src, His-tagged, human recombinant, expressed in insect cells

Catalog Number **S5439**

Storage Temperature -70°C

Product Description

Src is a family of non-receptor-associated protein tyrosine kinases. The Src protein tyrosine kinases control a variety of cellular processes ranging from proliferation, differentiation, motility, adhesion, and transcription.¹ It is also involved in control of cell survival and angiogenesis.² Src is activated as a result of disruption of regulatory processes that normally suppress its activity.³ Protein phosphatase 2A inhibits Src in a concentration-time-dependent manner.⁴

The recombinant, human Src is a 60 kDa protein expressed in insect cells by recombinant baculovirus. It is supplied as a solution in 50 mM Tris, pH 7.5, containing 0.05 mM EDTA, 1 mM DTT, 100 mM NaCl, 0.05% NP-40, and 50% glycerol.

Purity: $\geq 90\%$ (SDS-PAGE)

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and it is recommended to store the product at -70°C . After thawing, store stock solutions as aliquots at -20°C . Avoid repeated freeze-thaw cycles.

References

1. Tatosyan, A.G., and Mizenina, O.A., Kinases of the Src family: structure and functions. *Biochemistry (Mosc.)*, **65**, 49-58 (2000).
2. Schlessinger, J., New roles for Src kinases in control of cell survival and angiogenesis. *Cell*, **100**, 293-296 (2000).
3. Bjorge, J.D. *et al.*, Selected glimpses into the activation and function of Src kinase. *Oncogene*, **19**, 5620-5635 (2000).
4. Yokoyama, N., and Miller, W.T., Inhibition of Src by direct interaction with protein phosphatase 2A. *FEBS Lett.*, **505**, 460-464 (2001).

FF,MT,AGW,MAM 06/11-1

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