

Product Information

Src N1 **human, recombinant** **expressed in insect cells (Baculovirus expression)**

Catalog Number **S5564**
Storage Temperature $-70\text{ }^{\circ}\text{C}$

Product Description

Human Src N1 is a 59 kDa membrane associated protein expressed in insect cells by recombinant baculovirus.

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 Regulation of the c-src N1 exon is mediated by an intronic splicer enhancer downstream of the N1 5' splice site.⁴

The product is supplied as a solution of ~0.3 mg of protein per ml of 50 mM Tris-HCl, pH 7.5, containing 0.05 mM EDTA, 1 mM DTT, 100 mM NaCl, 0.05% NP-40, and 50% glycerol.

Purity: $\geq 60\%$ (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 $-70\text{ }^{\circ}\text{C}$. After thawing, store stock solutions as aliquots at $-20\text{ }^{\circ}\text{C}$. Avoid repeated freeze-thaw cycles.

References

1. Tatosyan, A.G., and Mizzenina, 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. Chou, M.Y., et al., hnRNP H is a component of a splicing enhancer complex that activates a c-src alternative exon in neuronal cells. *Mol. Cell Biol.*, **19**, 69-77 (1999).

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