

## Product Information

### SCYL1, GST-tagged, human recombinant, expressed in *Sf9* cells

Catalog Number **SRP5371**  
Storage Temperature  $-70^{\circ}\text{C}$

Synonyms: GKLP, HT019, NKTL, NTKL, P105, TAPK, TEIF, TRAP

#### Product Description

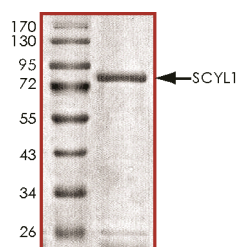
SCYL1 is a transcriptional regulator belonging to the SCY1-like family of kinase-like proteins. SCYL1 has a divergent N-terminal kinase domain that is thought to be catalytically inactive, and can bind specific DNA sequences through its C-terminal domain. SCYL1 activates transcription of the telomerase reverse transcriptase and DNA polymerase  $\beta$  genes. SCYL1 forms multimers following transfection into COS-7 cells.<sup>1</sup> A SCYL1 binding protein has been identified that co-localized with SCYL1 in the cytoplasm and shows ubiquitous expression.<sup>2</sup>

Recombinant human SCYL1 (1-556) was expressed by baculovirus in *Sf9* insect cells using an N-terminal GST-tag. The gene accession number is NM\_020680. It is supplied in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~85 kDa

The enzymatic activity of this product has not been determined.

**Figure 1.**  
SDS-PAGE Gel of Typical Lot:  
 $\geq 70\%$  (SDS-PAGE, densitometry)



#### 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 storage at  $-70^{\circ}\text{C}$  is recommended. After opening, aliquot into smaller quantities and store at  $-70^{\circ}\text{C}$ . Avoid repeated handling and multiple freeze/thaw cycles.

#### References

1. Kato, M. et al., Identification and characterization of the human protein kinase-like gene NTKL: mitosis-specific centrosomal localization of an alternatively spliced isoform. *Genomics*, **79**, 760-767 (2002).
2. Di, Y. et al., Cloning and characterization of a novel gene which encodes a protein interacting with the mitosis-associated kinase-like protein NTKL. *J. Hum. Genet.*, **48**, 315-321 (2003).

RC,MAM 10/12-1