

Sup35 (NM)

Yeast, Recombinant, His-tagged

Expressed in *E. coli*

Cat. No. CRP0859

Lot. No. (See product label)

PRODUCT INFORMATION

Description: Sup35 (NM) is the fragment of yeast prion protein Sup35. It can form fibrils both *in vitro* and *in vivo*. It is a good model for prion studies. Recombinant Sup35 (NM) is expressed in *E. coli*.

M. W. : 28,000 Da

Recombinant: Expressed in *E. coli*

Purity: >95% as determined by SDS-PAGE.

Storage buffer: Liquid. In Tris-HCl Buffer, 8 M Urea (pH 7.4).

REFERENCES

1. Glover, J. R. et al., Self-seeded fibers formed by Sup35, the protein determinant of [PSI⁺], a heritable prion-like factor of *S. cerevisiae*. *Cell*. 1997; 89: 811-819.
2. Fan Q, Park KW, Du Z, Morano KA, Li L. The role of Sse1 in the de novo formation and variant determination of the [PSI⁺] prion. *Genetics*. 2007. 177(3):1583-1593.
3. Kalastavadi T, True HL. Prion protein insertional mutations increase aggregation propensity but not fiber stability. *BMC Biochem*. 2008; 17: 9-7.
4. Fabret C, Cosnier B, Lekomtsev S, Gillet S, Hatin I, Le Maréchal P, Rousset JP. A novel mutant of the Sup35 protein of *Saccharomyces cerevisiae* defective in translation termination and in GTPase activity still supports cell viability. *BMC Mol Biol*. 2008; 9:22.

FOR RESEARCH USE ONLY

GENE INFORMATION

Gene Name: [SUP35](#)

Synonyms: Sup35p; YDR172W; GST1; PNM2; SAL3; SUF12; SUP2; SUP36; YD9395.05; ERF2; ERF-3; eRF3a; 551G9.2; Translation release factor 3; Polypeptide release factor 3; Omnipotent suppressor protein 2; G1 to S phase transition protein 1; G1 to S phase transition 1; G1 to S phase transition protein 1 homolog; GTP-binding protein GST1- HS.

Protein Refseq: [NP_010457.1](#)

GeneID: [851752](#)

Uniprot ID: [P05453](#)

Chromosome : IV

Function: GTP binding. nucleotide binding. GTPase activity. translation release factor activity

Process: nuclear-transcribed mRNA catabolic process, deadenylation-dependent decay. translation. translational termination

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