

Recombinant *Saccharomyces Cerevisiae* SES1 Protein (1-462 aa), His-SUMO-tagged

Cat. No. SES1-1794S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Saccharomyces Cerevisiae</i> (strain ATCC 204508/S288c) (Baker's yeast) SES1 Protein (1-462 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Microbiology. Protein Description: Full Length.
Species	<i>S.cerevisiae</i>
Source	E.coli
ProteinLength	1-462 aa
Description	Catalyzes the attachment of serine to tRNA(Ser). Is also probably able to aminoacylate tRNA(Sec) with serine, to form the misacylated tRNA L-seryl-tRNA(Sec), which will be further converted into selenocysteinyl-tRNA(Sec).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	57.3 kDa
AA Sequence	MLDINQFIEDKGGNPELIRQSQKARNASVEIVDEIISDYKDWVKTRFELDELNKKFNKL QKDIGLKFKNKEDASGLLAEKEKLTQQKKELTEKEQQEDKDLKKKVQVGNIVHPSV VVSNDDEENNELVRTWKPEDLEAVGPIASVTGKPASLSHHEILLRLDGYDPDRGVKIC GHRGYFFRNYGVFLNQALINYGLQFLAAKGYIPLQAPVMMNKKELMSKTAQLSEFDE ELYKVIDGEDEKYLIATSEQPISAYHSGEWFKEKPQEQLPIHYVGYSSCFRREAGSHG

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KDAWGVFRVHAFEKIEQFVITEPEKSWEEFEKMISYSEEFYKSLKLPYRIVGIVSGEL
 NNAAAKKYDLEAWFPYQKEYKELVSCSNCTDYQSRNLEIRCGIKKMGDREKKYVHC
 LNSTLAATQRALCCILENYQTEDGLVVPEVLRKYIPGEPEFLPFVNELPKNSTSSKDK
 KKKN

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

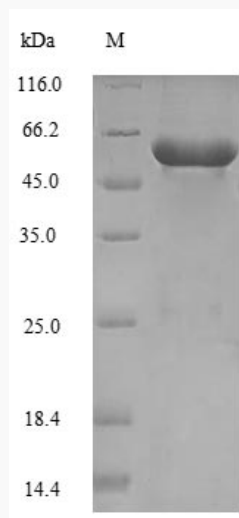
Synonyms SES1; Seryl-tRNA synthetase Short name: SerRS Seryl-tRNA(Ser/Sec) synthetase;

UniProt ID [P07284](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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