





Recombinant Saccharomyces cerevisiae Serine--tRNA ligase, Cytoplasmic domain (SES1)

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). Abbreviation Recombinant Saccharomyces cerevisiae SES1 protein 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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. Uniprot No. P07284 Alias Seryl-tRNA synthetase Short name: SerRS Seryl-tRNA(Ser/Sec) synthetase Product Type Recombinant Protein Immunogen Species Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Baker's yeast) Purity Greater than 90% as determined by SDS-PAGE. MLDINQFIEDKGGNPELIRQSQKARNASVEIVDEIISDYKDWVKTRFELDELNKK FNKLQKDIGLKFKNKEDASGLLAEKEKLTQKKELTEKEQGEDKDLKKKVPQV GNIVHPSVVVSNDEENNELVRTWKPEDLEAVGPIASVTGKPASLSHHEILLRLD GYDPDRGVKICGHRGYFFRNYGVFLNQALINYGLQFLAAKGYIPLQAPVMMNK ELMSKTAQLSEFDEELVKVIDGEDEKYLLATSEQPISAYHSGEWFEKPOEQLPI HYVGYSSCFRREAGSHGKDAWGVFRVHAFEKIEQFVITTEPEKSWEFFKROLPH HYVGYSSCFRREAGSHGKDAWGVFRVHAFEKIEQFVITTEPEKSWEFFKROLPH HYVGYSSCFRREAGSHGKDAWGVFRVHAFEKIEQFVITTEPEKSWEFFKRISY SEFFYKSKLLYPKINGIVSGELNNAAKKYDLEAWPPYCKYKELVSCSNCTDY QSRNLEIRCGIKKMGDREKKYVHCLNSTLAATQRALCCILENYQTEDGLVVPE VLRKYIPGEPEFLPFVNELPKNSTSSKDKKKKN Research Area Microbiology Source E.coli Target Names SES1 Expression Region 1-462aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. N-terminal 6xHis-tagged Mol. Weight 57.3kDa Protein Length		
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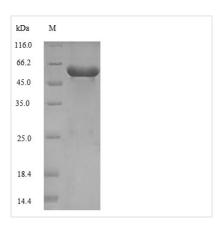


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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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