

## Recombinant Human SARS

**Cat. No.** SARS-30613TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Seryl-tRNA synthetase with an N-terminal proprietary tag; Predicted MW 82.65 kDa
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	515 amino acids
<b>Description</b>	This gene belongs to the class II amino-acyl tRNA family. The encoded enzyme catalyzes the transfer of L-serine to tRNA (Ser) and is related to bacterial and yeast counterparts. Multiple alternatively spliced transcript variants have been described but the biological validity of all variants is unknown.
<b>Molecular Weight</b>	82.650kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Sequences of amino acids**

MVLDLDFRVDKGGDPALIRETQEKRFKDPGLVDQLVKAD SEWRRRCRFRADNLNK  
 LKNLCSKTIGEKMKKKEPVGDDSV PENVLSFDDLTADALANLKVSIKKVRLIDEA  
 ILKCDAE RIKLEAERFENLREIGNLLHPSVPISNDEDVDNKVERIWG DCTVRKKYSH  
 VDLVVMVDGFEGEKGAUVAGSRGYFLKGVL VFLEQALIQYALRTLGSRGYIPIYTPF  
 FMRKEVMQEVAQL SQFDEELYKVIGKGSEKSDDNSYDEKYLIATSEQPIAALH RDE  
 WLRPEDLPIKYAGLSTCFRQEVGSHGRDTRGIFRVHQ FEKIEQFVYSSPHDNKSWE  
 MFEEMITTAEEFYQSLGIPYH IVNIVSGSLNHAASKKLDLEAWFPGSGAFRELVSCS  
 NCTD YQARRLRIRYGQTKKMMMDKVEFVHMLNATMCATTRTICAI LENYQTEKGITV  
 PEKLKEFMPPGLQELIPFVKPAPIEQEP SKKQKKQHEGSKKKAAARDVTLENRLQN  
 MEVTD

**Sequence**

Belongs to the class-II aminoacyl-tRNA synthetase family. Type-1 seryl-tRNA

**Similarities**

synthetase subfamily.

## GENE INFORMATION

**Gene Name**

SARS seryl-tRNA synthetase [ [Homo sapiens](#) ]

**Official Symbol**

[SARS](#)

**Synonyms**

SARS; seryl-tRNA synthetase; seryl-tRNA synthetase, cytoplasmic; serine tRNA ligase 1; cytoplasmic; SERS;

**Gene ID**

[6301](#)

**mRNA Refseq**

[NM\\_006513](#)

**Protein Refseq**

[NP\\_006504](#)

**MIM**

[607529](#)

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<b>Uniprot ID</b>	P49591
<b>Chromosome Location</b>	1p13.3
<b>Pathway</b>	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Cytosolic tRNA aminoacylation, organism-specific biosystem;
<b>Function</b>	ATP binding; RNA binding; ligase activity; nucleotide binding; serine-tRNA ligase activity;

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