

Recombinant Human SARS

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

SPECIFICATION

Product Overview	Recombinant full length Human Seryl-tRNA synthetase with an N-terminal proprietary tag; Predicted MW 82.65 kDa
Species	Human
Source	Wheat Germ
ProteinLength	515 amino acids
Description	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.
Molecular Weight	82.650kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	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  Fax: 1-631-938-8127

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

Sequences of amino acids

MVLDDLFRVDKGGDPALIRETQEKRFKDPGLVDQLVKAD SEWRRRCRFRADNLNK
 LKNLCSKTIGEKMKKKEPVGDDES PENVLSFDDLTADALANLKVSQIKKVRLLIDEA
 ILKCD AE RIKLEAERFENLREIGNLLHPSVPISNDEDVDNKVERIWG DCTVRKKYSH
 VDLVVMVDGFEGEKGA VVAGSRGYFLKGVL VFLEQALIQYALRTLGSRGYIPIYTPF
 FMRKEVMQEVAQL SQFDEELYKVIGKGSEKSDDNSYDEKYLIATSEQPIAALH RDE
 WLRPEDLP IKYAGLSTCFRQEVGSHGRDTRGIFRVHQ FEKIEQFVYSSPHDNKSWE
 MFEEMITTAEEFYQSLGIPYH IVNIVSGSLNHAASKKLDLEAWFPGSGAFRELVSCS
 NCTD YQARRLRIRYGQTKMMMDKVEFVHMLNATMCATTRTICAI LENYQTEKGITV
 PEKLKEFMPPGLQELIPFVKPAPIEQEP SKKQKKQHEGSKKKAAARDVTLENRLQN
 MEVTDA

Sequence Similarities

Belongs to the class-II aminoacyl-tRNA synthetase family. Type-1 seryl-tRNA 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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Uniprot ID	P49591
Chromosome Location	1p13.3
Pathway	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;
Function	ATP binding; RNA binding; ligase activity; nucleotide binding; serine-tRNA ligase activity;

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