Recombinant Human SARS, His-tagged

Cat. No. SARS-30612TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Seryl-tRNA synthetase (amino acids 1-514) with N terminal His tag; 537 amino acids with tag, Predicted MWt 61.2 kDa.
Species	Human
Source	E.coli
ProteinLength	514 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.
Conjugation	HIS
Molecular Weight	61.200kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 0.02% DTT, 10% Glycerol, 0.58% Sodium chloride

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMGSMVLDLDLFRVDKGGDPA LIRETQEKRFKDPGL VDQLVKADSEWRRCRFRADNLNKLK NLCSKTIGEKMKKKEPVGDDESVPENVLSF DDLTADALAN LKVSQIKKVRLLIDEAILKCDAERIKLEAERFENLREIGN LLHPSVPIS NDEDVDNKVERIWGDCTVRKKYSHVDLVVMV DGFEGEKGAVVAGSRGYFLKGVLV FLEQALIQYALRTLGS RGYIPIYTPFFMRKEVMQEVAQLSQFDEELYKVIGKGSEK S DDNSYDEKYLIATSEQPIAALHRDEWLRPEDLPIKYAGL STCFRQEVGSHGRDTRGI FRVHQFEKIEQFVYSSPHDNKS WEMFEEMITTAEEFYQSLGIPYHIVNIVSGSLNHA ASKKL DLEAWFPGSGAFRELVSCSNCTDYQARRLRIRYGQTKKMM DKVEFVHML NATMCATTRTICAILENYQTEKGITVPEKLK EFMPPGLQELIPFVKPAPIEQEPSKKQ KKQHEGSKKKAAA RDVTLENRLQNMEVTDA
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

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MIM	607529
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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