

Seryl-tRNA Synthetase Human Recombinant

Item Number	rAP-1859
Synonyms	Serine--tRNA ligase cytoplasmic, Seryl-tRNA synthetase, SerRS, Seryl-tRNA(Ser/Sec) synthetase, SARS, SERS.
Description	SARS Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 537 amino acids (1-514) and having a molecular mass of 61.2kDa.SARS is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P49591
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMVLDL DL FRVDKGGDPA LIRETQEKRF KDPGLVDQLV KADSEWRRRCR FRADNLNKLK NLCSKTIGE K MKKKEPVGDD ESPENVLSF DDLTADALAN LKVSQIK- KVR LLIDEAILKC DAERIKLEAE RFENLREIGN LLHPSVPI SN DEDVDNKVER IWGDCTVRKK YSH- VDLVVMV DGFEGEKGAV VAGSRGYFLK GVLVFLEQAL IQYALRTLGS RGYIPIYTPF FMRKEVMQEV AQLSQFDEEL YKVIKKGSEK SDDNSYDEKY LIATSEQPIA ALHRDEWLRP EDLPKIYAGL STCFRQEVGS HGRDTRGIFR VHQFEKIEQF VYSSPHDNKS WEMFEEMITT AEEFYQSLGI PYHIVNIVSG SLNHAASKKL DLEAWFPGSG AFRELVSCSN CTDYQARRLR IRYGQTKKMM DKVEFVHMLN ATMCA TRTI CAILENYQTE KGITVPEK LK EFMPPGLQEL IPFVKPAPIE QEPSKKQKKQ
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The SARS solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**