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32-2799: Seryl-tRNA synthetase protein

Alternative Name : Serine--tRNA ligase cytoplasmic,Seryl-tRNA synthetase,SerRS,Seryl-tRNA(Ser/Sec) synthetase,SARS,SERS.

Description

Source : Escherichia Coli. 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. Seryl-tRNA synthetase, cytoplasmic (SARS) is a member of the class-II aminoacyl-tRNA synthetase family. Aminoacyl-tRNA synthetases' role is to catalyze the aminoacylation of tRNAs by their corresponding amino acids, as a result linking amino acids with tRNA-contained nucleotide triplets. The SARS enzyme catalyzes the attachment of serine to tRNA (Ser). SARS enzyme is probably able to aminoacylate tRNA (Sec) with serine, to form the misacylated tRNA L-seryl-tRNA (Sec), which will be then converted into selenocysteinyl-tRNA (Sec).

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The SARS solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMVLDLDL FRVDKGGDPA LIRETQEKRF KDPGLVDQLV KADSEWRRCR FRADNLNKLK NLCSKTIGEK MKKKEPVGDD ESVPENVLSF DDLTADALAN LKVSQIKKVR LLIDEAILKC DAERIKLEAE RFENLREIGN LLHPSVPISN DEDVDNKVER IWGDCTVRKK YSHVDLVVMV DGFEGEKGAV VAGSRGYFLK GVLVFLEQAL IQYALRTLGS RGYIPIYTPF FMRKEVMQEV AQLSQFDEEL YKVIGKGSEK SDDNSYDEKY LIATSEQPIA ALHRDEWLRP EDLPIKYAGL STCFRQEVGS HGRDTRGIFR VHQFEKIEQF VYSSPHDNKS WEMFEEMITT AEEFYQSLGI PYHIVNIVSG SLNHAASKKL DLEAWFPGSG AFRELVSCSN CTDYQARRLR IRYGQTKKMM DKVEFVHMLN ATMCATTRTI CAILENYQTE KGITVPEKLK EFMPPGLQEL IPFVKPAPIE QEPSKKQKKQ HEGSKKKAAA RDVTLENRLQ NMEVTDA.

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