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SARS, 1-514aa, Human, His tag, E.coli

产品货号: TP03852

第三版

别名:Seryl-tRNA synthetase, SERRS, SERS.

**描述:**SARS (Seryl-tRNA synthetase, cytoplasmic) belongs to the class-II aminoacyl-tRNA synthetase family. Aminoacyl-tRNA synthetases function to catalyze the aminoacylation of tRNAs by their corresponding amino acids, thus linking amino acids with tRNA-contained nucleotide triplets. This enzyme catalyzes the attachment of serine to tRNA (Ser). It is probably able to aminoacylate tRNA (Sec) with serine, to form the misacylated tRNA L-seryl-tRNA (Sec), which will be further converted into selenocysteinyl-tRNA (Sec). Recombinant human SARS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

**分子量:**61.2kDa (537aa)

**序列:**

MGSSHHHHHHSSGLVPRGSHMGSMVLDLDFRVVDKGGDPALIRETQEKRFKDPGLVDQLVKADSEWRRRCRFRADNLN  
KLKNLCSKTIGEKMKKKEPVGDDESVPENVLSFDDLTADALANLKVSIKQVRLIDEAILKCD AERIKLEAERFENLREIGN  
LLHPSVPISNDEDVDNKVERIWGDCTVRKKYSHVDLVVMVDGFEGEKGA VVAGSRGYFLKGVLVFLEQALIQYALRTL  
SRGYIPIYTPFFMRKEVMQEVAQLSQFDEELYKVIKGGSEKSDDNSYDEKYLIATSEQPIAALHRDEWLRPEDLP  
IKYAGLSTCFRQEVGSHGRDTRGIFRVHQFEKIEQFVYSSPHDNKSWEMFEEMITTAEEFYQSLGIPYHIVNIVSGSLN  
HAASKKLDLEA WFPGSGAFRELVSCSNCTDYQARRLRIRYGQTKKMMMDKVEFVHMLNATMCATTRTICAI  
LENYQTEKGITVPEKLKEFM PPGLQELIPFVKPAPIEQEPSKKQKKQHEGSKKKAARDVTLENRLQNMEVTDA

**纯度:**> 95% by HPLC

**浓度:**0.5mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.