

Product datasheet for **TP308306M**

SARS2 (NM_017827) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human seryl-tRNA synthetase 2, mitochondrial (SARS2), nuclear gene encoding mitochondrial protein, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208306 protein sequence Red =Cloning site Green =Tags(s)

MAASMARRLWPLLTRRGFRPRGGCISNDSPPRSFTTEKRNRNLLYEYAREGYSALPQLDIERFCACPEEA
AHALELRKGELRSADLPAAISTWQELRQLQEQRSLSEEAATEAVRALLANQDSGEVQQDPKYQGLRA
RGREIRKELVHLYPREAQLEEQFYLQALKLPNQTHPDVPGDESQARVLHVMGDKPVFSFQPRGHLEIGE
KLDIIRQKRLSHVSGHRSYLRGAGALLQHGLVNFTFNKLLRRGFTPMTVPDLLRGAVFEGCGMTPNANP
SQIYNIDPARFKDLNLAGTAEVGLAGYFMDHTVAFRDLPVRMVCSSCYRAETNTGQEPRLYRVHHFTK
VEMFGVTGPGLEQSSQLLEEFSLQMEILTELGLHFRVLDMPQTQELGLPAYRKFDIEAWMPGRGRFGEVT
SASNCTDFQSRRLHIMFQTEAGELQFAHTVNATACAVPRLLIALLESNQQKDGSVLVPALQSYLGTDR
TAPTHVPLQYIGPNQPRKPLPGQPAVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

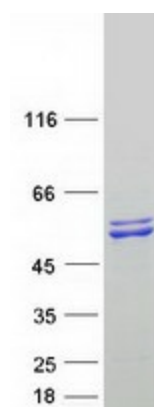
Tag:	C-Myc/DDK
Predicted MW:	54.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_060297
Locus ID:	54938
UniProt ID:	Q9NP81
RefSeq Size:	2077
Cytogenetics:	19q13.2
RefSeq ORF:	1554
Synonyms:	mtSerRS; SARS; SARSM; SerRS; SerRSmt; SERS; SYS
Summary:	This gene encodes the mitochondrial seryl-tRNA synthetase precursor, a member of the class II tRNA synthetase family. The mature enzyme catalyzes the ligation of Serine to tRNA(Ser) and participates in the biosynthesis of selenocysteinyl-tRNA(sec) in mitochondria. The enzyme contains an N-terminal tRNA binding domain and a core catalytic domain. It functions in a homodimeric form, which is stabilized by tRNA binding. This gene is regulated by a bidirectional promoter that also controls the expression of mitochondrial ribosomal protein S12. Both genes are within the critical interval for the autosomal dominant deafness locus DFNA4 and might be linked to this disease. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Mar 2009]
Protein Pathways:	Aminoacyl-tRNA biosynthesis

Product images:



Coomassie blue staining of purified SARS2 protein (Cat# [TP308306]). The protein was produced from HEK293T cells transfected with SARS2 cDNA clone (Cat# [RC208306]) using MegaTran 2.0 (Cat# [TT210002]).