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Product datasheet for PH308306

SARS2 (NM_017827) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SARS2 MS Standard C13 and N15-labeled recombinant protein (NP_060297)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208306
Predicted MW:	58.3 kDa
Protein Sequence:	>RC208306 protein sequence Red=Cloning site Green=Tags(s) MAASMARRLWPLLTRRGFRPRGGCISNDSPRRSFTTEKRNRNLLYEYAREGYSALPQLDIERFCACPEEA AHALELRKGELRSADLPAIISTWQELRQLQEQIRSLEEEKAAVTEAVRALLANQDSGEVQQDPKYQGLRA RGREIRKELVHLYPREAQLEEQFYLQALKLPNQTHPDVPVGDESQARVLHMVGDKPVFSFQPRGHLEIGE KLDIIRQKRLSHVSGHRSYYLRGAGALLQHGLVNFTFNKLLRRGFTPMTVPDLLRGAVFEGCGMTPNANP SQIYNIDPARFKDLNLAGTAEVGLAGYFMDHTVAFRDLPVRMVCSSTCYRAETNTGQEPRGLYRVHHFTK VEMFGVTGPGLEQSSQLLEEFLSLQMEILTELGLHFRVLDMPTQELGLPAYRKFDIEAWMPGRGRFGEVT SASNCTDFQSRRLHIMFQTEAGELQFAHTVNATACAVPRLLIALLESNQQKDGSVLVPPALQSYLGTDRI TAPTHVPLQYIGPNQPRKPGLPGQPAVS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060297
RefSeq Size:	2077
RefSeq ORF:	1554

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Synonyms: mtSerRS; SARS; SARSM; SerRS; SerRSmt; SERS; SYS

Locus ID: 54938

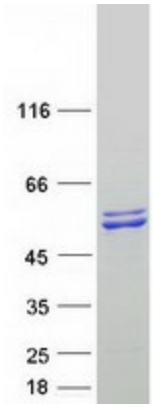
UniProt ID: Q9NP81

Cytogenetics: 19q13.2

Summary: This gene encodes the mitochondrial seryl-tRNA synthethase 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]).