

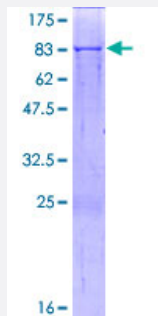
Full-Length

SARS2 (Human) Recombinant Protein (P01)

Catalog # H00054938-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SARS2 full-length ORF (NP_060297.1, 1 a.a. - 518 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAASMARRLWPLLTRRGFRPRGGCISNDSPRRSFTEKRNRLLYEYAREGYSALPQLDIERFCA
CPEEAAHALELRKGELRSADLPAISTWQELRQLQEQRSLSEEEKAHVTEAVRALLANQDSGEVQ
QDPKYQGLRARGREIRKELVHLYPREAQLEEQFYLAQALKLPNQTHPDVPVGDESQARVLHVMGD
KPVFSFQPRGHLEIGEKLDIRQKRLSHVSGHRSYLRGAGALLQHGLVNFTFNKLLRRGFTPMTV
PDLLRGAVFEGCGMTPNANPSQIYNIDPARFKDLNLAGTAEVGLAGYFMDHTVAFRDLPVRMVC
SSTCYRAETNTGQEPRLYRVHHFTKVMFVGTPGLEQSSQLLEEFSLQMEILTELGLHFRVL
DMPTQELGLPAYRKFDIEAWMPGRGRFGEVTSASNCTDFQSRRLHIMFQTEAGELQFAHTVNAT
ACAVPRLLIALLESNQKDGSLVPPALQSYLGTDRITAPTHVPLQYIGPNQPRKPGPGQPAVS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.7

Interspecies Antigen Sequence

Mouse (86); Rat (86)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SARS2

Entrez GeneID [54938](#)

GeneBank Accession# [NM_017827.2](#)

Protein Accession# [NP_060297.1](#)

Gene Name SARS2

Gene Alias FLJ20450, SARS, SARSM, SERS, SYS, SerRSmt, mtSerRS

Gene Description seryl-tRNA synthetase 2, mitochondrial

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations serine tRNA ligase 2, mitochondrial|serine-tRNA ligase, mitochondrial|seryl-tRNA synthetase 2

Pathway

- [Aminoacyl-tRNA biosynthesis](#)