

Recombinant Mouse Sars2 Protein, His&GST-tagged

Cat. No. Sars2-2043M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sars2 Protein (Asn277-Arg578) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn277-Arg578
Description	Predicted to enable ATP binding activity; serine-tRNA ligase activity; and tRNA binding activity. Predicted to be involved in mitochondrial seryl-tRNA aminoacylation. Predicted to act upstream of or within translation. Located in mitochondrion. Is expressed in several structures, including alimentary system; eye; integumental system; nervous system; and respiratory system. Orthologous to human SARS2 (seryl-tRNA synthetase 2, mitochondrial).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.9 kDa Accurate Molecular Mass: 57 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Sars2 seryl-aminoacyl-tRNA synthetase 2 [Mus musculus (house mouse)]
Official Symbol	Sars2
Synonyms	SARS2; seryl-aminoacyl-tRNA synthetase 2; serine--tRNA ligase, mitochondrial; seryl-tRNA(Ser/Sec) synthetase; seryl-tRNA synthetase, mitochondrial; SerRS; SerRSmt; D7Ertd353e; 2410015F05Rik;
Gene ID	71984
mRNA Refseq	NM_023637
Protein Refseq	NP_076126
UniProt ID	Q9JJL8

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