

Product datasheet for **MC202434**

Sars2 (NM_023637) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sars2 (NM_023637) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sars2
Synonyms:	2410015F05Rik; D7Ertd353e; SerRS; SerRSmt
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC079664 sequence for NM_023637
AGTGACTTCTTGTTCCTCAAGATGGCTGCGTCCATGGCGCGGCTTTGGTGGCCTTTCTGGCTCGC
CAGGGGCTCCGGTCCCAGGACGCTGCGTGTGCAGCCAGAACCAAGGAGGATTTGCTACGGAGAAAC
GAGTCCGGAACCTCCTGTACGAACACGCACGAGAGGGCTACAGCGAGCTTCCCTACTTGGACATGGAGTC
GGTGTGCGCATGCCAGAAAAAGCCGCGCTCCCTGGAGCTCCGCAAGGGGAGCTGCGGCCGGCCGAC
CTGCCTGCGATTATCTCCACGTGGCAGGAGTTGAGGCAGCTTTCGAGAGCAGATCCGGAGCCTGGAGGCAG
AGAAGGAGGCTGTGGCAGAGGCAGTGGGGCCCTGCTGGCAAACCAAGACAGTGACCAAGTGCAGAAGGA
CCCCCAATATCAGGGCCTGCGGGCCGAGGCCGGGAGATCCGGAAGCAGCTCACACCCTTGACCCCAA
GAGACCCAGCTAGAGGAGCAGCTGTACAGCAGGCACTGAGGCTGCCAACCCAGACCCACCCAGACACGC
CTGTGGGGGACGAGAGCCAGGCTAGAGTGGTCCGTGTGGTGGGTGAAAAGCCGGCTTTCTCTTCCAACC
CCGAGGCCACCTGGAATTGGCGAGAACTGGACATCATCCGGCAGAAAGCGCCTGTCTCACGTGTCTGGC
CACCGTCTATTACCTGCGTGGGGCAGGAGCCCTTTACAGCACGGCCTGGTCAACTTCACCTCAGCA
AGCTTGTGACGAGGGCTTACCCCATGACGGTCCCAGACCTTCTGAGAGGAGCTGTGTTGAAGGCTG
TGAATGACACCAATGCCAACCCATCCCAGATTTACAATATTGACCCCTCTCGTTTGAAGACCTAAC
CTGGCCGGGACGGCAGAGGTGGGGCTGGCAGGATACTTTCATGGACCACTGTAGCTTTTCAGGGACCTTC
CAGTCAGGATGGTCTGTGCCAGCACCTGTACCGGGCAGAGACAGACACTGGGAAGGAGCCTTGGGGACT
GTACCGAGTCCATCACTTCACTAAGGTGGAGATGTTTGGGGTGACAGGCCTGGGCTGGAGCAGAGCTCG
CAGCTGTTGGATGAGTTCCTGTCTTGCAGGTGGAGATCTTGACGGAGCTGGGCTTGCACTTCCGGGTAC
TGGACATGCCACCCAGGAACCTGGGCTTCTGCTTATCGCAAGTTCGACATTGAGGCCTGGATGCCTGG
CCGAGGCCGCTATGGAGAGGTACACAGTGCCTCCAAGTGCACAGACTTCCAGAGCCGGCCGCTGTACATC
ATGTTTGGACAGAGACCCGGGAGCTGCAGTTCGCACACACGGTGAATGCCACCGCTTGTGCTGTCCCC
GAGTCTCATTGCCCTCCTGAAAGCAATCAGCAAAAGGATGGTTCAGTCTCGTCCCGCCGCTCTCCA
GCCCTACTAGGCACGGACCGGATCACAGCCCTACCCATGTGCCTCTCCAGTACATCGGCCCAATCAG
CCTCAGAAAGCCAGGCTCCCGGCCAGTCTGCCACCAGATGACAGCTGTCTGCTCCAGAGGCTGGGGTTC
TAGAGACCCCTGATACTTAGAGACTTCCCTGTAGCTGGTCTGATGTCTGTAGGTGTACCTCCCC
TCTGGACTCCTGAGTCTACTGTCCCTTCCCTGCCAGTGAATTATTGTCAGTGTATCCCTTACCATTGAG
GCTGTGACCCAGAGGCACGGCTCAGCCTGTGGCCGGAAGAAGGCCGTCCAGCTTCTTCTCCACCTC
AGTGCGGAGCAGAATGGCCACAATAAATGGTCTGAGAACAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_023637

Insert Size: 1557 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC079664](#), [AAH79664](#)

RefSeq Size:	1882 bp
RefSeq ORF:	1557 bp
Locus ID:	71984
UniProt ID:	Q9JLL8
Cytogenetics:	7 16.91 cM
Gene Summary:	Catalyzes the attachment of serine to tRNA(Ser). Is also probably able to aminoacylate tRNA(Sec) with serine, to form the misacylated tRNA L-seryl-tRNA(Sec), which will be further converted into selenocysteinyI-tRNA(Sec).[UniProtKB/Swiss-Prot Function]