

Product datasheet for **RR213075**

Sars (NM_001007606) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sars (NM_001007606) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sars
Synonyms:	Sars1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213075 representing NM_001007606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCTGGACCTGGACTTGTTCGGGTGGATAAAGGAGGGACCCAGCCCTCATTTCGAGAGACGCAGG
 AGAAGCGCTTCAAAGATCCGGGGCTGGTGGACCAGCTGGTGAAGGCAGACAGCGAGTGGCGACGATGCAG
 ATTTCCGGCAGACAACCTGAACAAGCTGAAGAATTTATGCAGCAAACTATTGGGGAGAAAAAAGAAAA
 AAAGAGCCAGTGGGAGAGGACGAGTCCATCCCAGAGGATGTGCTGAATTTGACGACCTCACTGCAGACA
 CGTTAGCTGCCCTGAAAGTCTCACAAAATAAGAAAGTCCGACTCCTCGTTGATGAAGCCATCCAGAAGTG
 TGATGGGAGCGGGTAAAGCTGGAAGCAGAGCGATTTGAGAACCTCCGAGAGATTGGGAACCTTCTACAC
 CCCTCTGTGCCATTAGTAACGATGAGGATGCAGACAACAAGTAGAGCGTATTTGGGGTATTGTACAG
 TCAGAAAAGAGTATCCCATGTGGACCTGGTGGTATGGTGGATGGCTTTGAAGGCGAAAAGGGAGCCGT
 GGTGGCTGGTAGTCGGGGTACTTCTGAAGGGGTCCTGGTGTCTCTGGAGCAGGCACTTATCCAGTAT
 GCACTGCCACCTTGGGAAGCCGAGGCTACACTCCAATCTACACCCCTTCTTCATGAGGAAAGAGGTCA
 TGCAGGAAGTGGCCAGCTCAGCCAGTTTATGAAGAAGTCTATAAGGTATTGGCAAGGCGAGGAAAA
 GAGCGATGACAGCTCCTATGACGAGAAGTACTTGATTGCCACCTCAGAACAGCCCATCGCAGCTCTGCAC
 CGGGACGAGTGGCTGCGGCCAGAGGATCTGCCATCAAGTACGCCGGCTTCTCCACCTGCTTTCGGCAGG
 AAGTGGTTTCGCATGGCCGTGATACCCGTGGTATCTTTCGAGTCCATCAGTTTGAGAAGATTGAACAGTT
 CGTGTACTCATCACCTCATGACAACAAGTATGGGAGATGTTTATGATGAGATGATCACCACCGAGAAGAA
 TTCTATCAGTCTTTGGGAATCCCTTACCACATTTGAATATTGTCTCAGGCTCTTTGAATCATGCTGCCA
 GCAAGAAGCTTGACCTGGAGGCCTGGTTCCCGGCTCCGGTGCCTCCGTGAGTTGGTTCTCTGTTCTAA
 CTGCACGGATTACCAGGCTCGTCGGCTCCGAATCCGATACGGGCAGACCAAGAAGATGATGGACAAGGTG
 GAGTTTGTCCATATGCTTAATGCCACAATGTGTGCCACCACCCGACCATCTGCGCCATCTGGAGAACT
 ACCAGACAGAGAAGGCGATCGTCGTGCCAGAGAAGTTGAGGGAGTTTCATGCCCCAGGACTCCAAGAACT
 GATCCCATTTGTGAAGCCAGCACCTATTGACCAGGAGCCATCTAAGAAGCAGAAGAAGCAACATGAAGGC
 AGCAAAAAGAAAGCAAAAGAGGTCACCTGGAGAACCAGCTGCAGAACATGGAGTCACTGAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213075 representing NM_001007606
 Red=Cloning site Green=Tags(s)

MVLDLDFRVKGGDPALIRETQEKRFKDPGLVDQLVKADSEWRRRCFRADNLNKLNLCSKTIGEKMKK
 KEPVGEDESIPEDVLFNDDLADTLAALKVSIKKVRLLVDEAIQKCDGERVKLEAERFENLREIGNLLH
 PSVPI SNDEDADNKVERIWDCTVRKKYSHVDLVMMVDGFEGEKAVVAGSRGYFLKGVLVFLEQALIQY
 ALRTLGSRGYTPITYPFMRKEVMQEVQLSQFDEELYKVIKGESEKSDSSSYDEKYL IATSEQPIAALH
 RDEWLRPEDLPKYAGFSTCFRQEVGSHGRDTRGIFRVHQFEKIEQFVYSSPHDNKSWEMFDEMITTAAE
 FYQSLGIPYHIVNIVSGLNHAASKKLDLEAWFPGSGAFRELVSCSNCTDYQARRLRIRYQTKKMMDKV
 EFVHMLNATMCATTRTICAI LENYQTEKGI VVPEKLR FMPPLQELIPFVKPAPIDQEPSKKQKKQHEG
 SKKKAKEVTLENQLQNMEVTEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

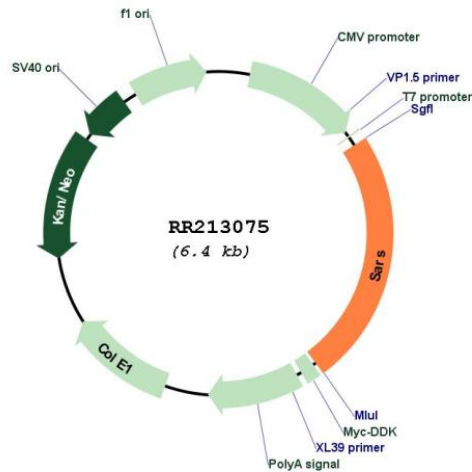
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001007606

ORF Size: 1536 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001007606.1](#), [NP_001007607.1](#)

RefSeq Size: 1920 bp

RefSeq ORF: 1539 bp

Locus ID: 266975

UniProt ID: [Q6P799](#)

Cytogenetics: 2q34

MW: 58.6 kDa

Gene Summary: mouse homolog is an RNA binding protein involved in catalyzing the transfer of L-serine to tRNA (Ser) [RGD, Feb 2006]