

Product datasheet for **VC100563**

HCoV-229E S Gene Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCoV-229E S Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	S Protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100563 represents NCBI reference of NP_073551 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTGTTCTCCTGGTGGCCTATGCCCTGTTGCACATTGCAGGATGCCAGACAACCAACGGACTGAACA
CCAGTTACTCTGTGTGAACGGCTGTGTGGGTTACTCCGAGAACGTGTTTCGCAGTGGAAAGTGGCGGTTA
TATACCTTCTGACTTTGCATTTAATAACTGGTTTCTGCTCACCAATACTCAAGCGTGGTAGATGGGGTC
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TTGTATACTTCAATGGGACTGGCCGGGGTGATTGCAAAGGGTTCTCAAGCGATGTGCTGTCCGATGTAAT
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ACAAGTGCACCAAGTACAATATCTACGATGTGTCGGGGTTGGCGTTATAAGAGTCTCCAACGATACAT
CCTCAACGGTATCACCTACACCAAGTACGTCGGAATCTTCTCGGCTTTAAGAGCGTGACTAAGGGCACA
ATATACTCTATACCCCATGCAATCCCCCGACCAACTGTTGTCTACCAGCAGGCCGTGGTAGGGCTA



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TGCTCTCTGAAAACCTTACGTCATACGGGTTCTCCAATGTCGTAGAACTGCCAAAATCTTTTATGCCTC
TAACGGGACTTACAACGTACCGACGCAGTGTTGACCTACAGCAGCTTCGGTGTGTGTGCCGACGGTTCC
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GATTTTTTTCATGTTTCGCTTCCAGCATCAGAGGATGTTGCGAGAGTACCAAGCTGCCCTATTACGATGT
GGAAAAATCCACATACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100563 representing NP_073551
 Red=Cloning sites Green=Tags

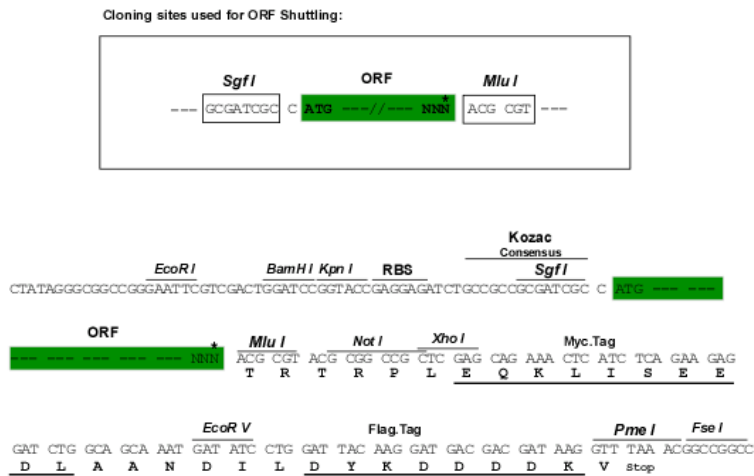
MFVLLVAYALLHIAGCQTTNGLNTSYSVCNGCVGYSENVFAVESGGYIPSDFAFNNWFLLTNTSSVVDGV
 VRSFQPLLLNCLWSVSLRFTTGFVYFNGTGRGDCKGFSDDVLSVIRYNLNFEENLRRTILFKTSYGV
 VVFYCTNNTLVSGDAHIPFGTVLGNFYCFVNTTIGNETTSAFVGALPKTVREFVISRTGHFYINGYRYFT
 LGNVEAVNFVNTTAETDDFCVALASYADVLVNSQTSIANIIYCNSVINRLRCDQLSFDVDPDGFYSTSP
 IQSVLEPVSIVSLPVYHKHTFIVLYVDFKPQSGGKCFNCYPAGVNITLANFNETKGPLCVDTSHFITTKY
 VAVYANVGRWSASINTGNCFPSFGKVNFKVFGSVCFSLKDIPGGCAMPIVANWAYSKEYTIGSLYVSW
 DGDGITGVPQPEGVSSFMNVTLDKCTKYNIYDVSGVGVIRVSNDFLNGITYTSTSGNLLGFKDVTKGT
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 IIAVQPRNVSYDSVAIVTANLIPSNNWTSVQVEYLQITSTPIVVDCTSYVCNGNVRCELLKQYTSAC
 KTIEDALRNSARLESADVSEMLTFDKKAFLANVSSFGDYNLSSVIPSPLTSGSRVAGRSAIEDILFSLK
 VTSGLGTVDADYKCKTKGLSIADLACAQYNGIMVLPGVADAERMAMYTGSLIGGIALGGLTSAVSIPFS
 LAIQARLNYVALQTDVLQENQKILAASFNKAMTNIVDAFTGVNDAITQTSQALQTVATALNKIQDVVNQ
 GNSLNHLTSQLRQNFQAISSSIQAIYDRLDTIQADQQVDRLITGRLAALNVFVSHLTLYTEVRASRQLA
 QQKVNECVKSQSKRYGFCGNGTHIFSIVNAAPEGLVFLHTVLLPTQYKDEAWSGLCVDGTNGYVLRQPN
 LALYKEGNYRITSRIMFEPRIPTMADFVQIENCNVTFVNI SRSELQIVPEYIDVNKTLQELSYKLPNY
 TVPDLVVEQYNQITLNL TSEISTLENKSAELNYTVQKLQTLIDNINLSTLVDLKWLN RVETIYKWPWWVWL
 CISVLLIFVVSMLLLCCCSTGCCGFFSCFASSIRGCCSTKLPYYDVEKIHQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NC_002645

ORF Size: 3519 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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:	<p>NC_002645.1, NP_073551</p>
RefSeq ORF:	<p>3519 bp</p>
Locus ID:	<p>918758</p>
MW:	<p>128.6 kDa</p>