

Product datasheet for **VC100659**

HECV-4408 S Gene Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HECV-4408 S Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	spike protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100659 represents NCBI reference of YP_003038522 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCTGATTCTCTGATCTCTCTCCGATGGCACTTGCTGTAATCGGCGATCTTAAGTGCACACTACGG
TGAGTATCAACGATGTAGATACCGGCGTCCCGTCTATCTCTACAGACACCGTCGACGTTACGAATGGACT
GGGTACTTACTACGTCTTGATCGAGCTACCTTAACACCACATTGCTGCTGAACGGCTACTACCTTACA
TCAGGATCAACCTATCGGAACATGGCGCTGAAAGGGACACTCCTCTGTCTACTCTGTGTTAAAGCCCC
CCTTCCTGAGCGACTTCACCAACGGTATTTTCGCTAAGGTGAAGAATACGAAGGTCACTAAAAACGGTCT
GATGTACAGTGAATTTCCCGCTATTACCATTGGGTCTACATTTCGTGAACACTAGCTACAGCGTTGTTGTC
CAACCACATACGACTAATCTTGATAACAAGCTGCAGGGTTTGGCTCGAAATCAGTGTGTGTCAGTACACCA
TGTGCGAATATCCGAATACGATCTGTCACCCAAACCTTGAAATCGGCGGGTAGAACTGTGGCACTGGGA
TACAGGCGTGGTGTCTGCCTTTATAAGAGGAACCTCACCTATGATGTCAACGCAGATTACCTGTATTTT
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TTAATGTGATCTCGGAACCGTGTCTCCCACTACTACGTGATGCCACTGACATGCAACAGCGCCATGTC
CCTGGAATATTGGGTACCCCACTCACCTAAGCAGTATCTCTTGGCTTTTAAACAGGACGGCGTCATA
TTTAAACGCGGTGGACTGCAAGAGCGATTTTCATGAGCGAAATTAAGTGTAAAACCTCTGTCTATAGCACCTA
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TCTCCAGATTGCAATATTGAGGCTGGCTGAATGACAAGAGCGTGCCAAGTCTCTCAACTGGGAACGG
AAGACCTTTTCCAATTGTAACCTCAACATGAGCAGTCTGATGTCTTTTATCCAGGACAGACGTTACCT
GCAACAATATCGATGCTGCTAAGATTTACGGTATGTGTTTTAGTAGCATCACCATTGATAAGTTCCGGAT
CCCTAACTCTAGGAAAGTCGACCTGCAACTTGGCAATCTGGGTACCTGCAGAGTTTTAATTATAGAATC
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CTTTACTGATCATGACGTGGTATACGCTCAGCACTGTTTCAAGGCACCCACAATTTCTGCCGTGCAAG
CTGGATGGCAGTCTGTGTAGGAAACGGCCCCGGCATTGACGCTGGTTACAAAAATAGTGGGATCGGAA



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CGTGTCCCGCGGAACTAATTACCTTACCTGTCAATGCCGCACAATGTAAGTGCCTGTGTACACCGGA
CCCTATTACTAGCAAGAGCACTGGACCTTATAAATGTCCGCAGACAAAGTACCTTGTGGCATCGGCGAA
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100659 representing YP_003038522
 Red=Cloning sites Green=Tags

MFLILLISLPMALAVIGDLKCTTVSINDVDTGVPSISTDVTVDVTNGLGTYVVLDRVYLNNTLLNGYYPT
 SGSTYRNMALKGTLTLLSTLWFKPPFLSDFTNIGIFAKVKNTKVTKNGLMYSEFPAITIGSTFVNTSYSVVV
 QPHTTNDLNLQGLLEISVCQYTMCEYPNTICHPNLGNRRVELWHWDTGVVVSLYKRNFTYDVNADYLYF
 HFYQEGGTFYAYFTDTGVVTKFLFNVLGTVLSHYYVMPLTCNSAMSLEYWVTPLT SKQYLLAFNQDGI
 FNAVDCKSDFMSEIKCKTLSIAPSTGVYELNGYTVQPIADVYRRIPNLPDCNIEAWLNDKSVPSPLNWER
 KTFSNCFNMSLSMFIQADSFTCNNIDAAKIYGMCSSITIDKFAIPNSRKVDLQLGNLGYLQSFNYRI
 DTTATSCQLYYNLPAAANVSRSRNPSTWNRFGFTEQSVFKPQAGVFTDHDVVYAQHCFAKPTNFCPK
 LDGSLCVGNPGIDAGYKNSGIGTCPAGTNYL TCHNAAQCNCCLCTPDPITSKSTGPYKCPQTKYL VGIGE
 HCSGLAIKSDHCGNPCTCQPQAF LGWSVESCLQGDRCNIFANFILHGVNSGTTCTDLQKSNNTDII LGV
 CVNYDLYGITGGIFVEVNATYYNSWQNLLYDSNGNL YGFRDYL TNRTFMIRSCYSGRVSAAFHANSSEP
 ALLFRNIKCNVFNNTLSRQLQPINYFDSYLGCVVNADNSTSSVVQTCDLTVGSGYCVDYSTRRSRAI
 TTGYRFTNFEPFTVNSVND SLEPVGGLYEIQIPSEFTIGNMEEFIQTSSPKVTIDCSAFVCGDYAACKSQ
 LVEYGSFCDNINAILTEVNELLDTTQLQVANS LMNGVTLSTKLDKGVNFNVD DINFSPVLGCLGSDCNRV
 SSRSAIEDLLFSKVKLADVGFVEAYNNCTGGAEIRDLCVQSYNGIKVLPPLLSENQISGYTLAATSASL
 FPPWSAAGVPPFYLNVQYRINGIGVTMDVLSQNQKLIANAFNNALGAIQEGFDATNSALVKIQAVVNANA
 EALNNLLQQLSNRFGAISSSLQEILSRLDALEAQAQIDRLINGRLTALNAYVSQQLSDSTLVKFSAAQAM
 EKVNECVKSQSSRINFCGNGNHIISLVQNAPYGLYFIHFSYVPTKYVTAKVSPGLCIAGDRGIAPKSGYF
 VNVNNTWMFTGSGYYPPEPITGNNVVMSTCAVNYTKAPDVMLNISTPNLPDFKEELDQWFKNQTSVAPD
 LSLDYINVTFDLQEQEMNRLQEAIKVLNHSYINLKDIGTYEYVYKWPWYVWLLIGFAGVAMLVLLFFICC
 CTGGTSCFKKCGCCDDYTGHQELVIKTSHDD

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_012950

ORF Size: 4089 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><u>NC_012950.1</u>, <u>YP_003038522</u></p>
RefSeq ORF:	<p>4089 bp</p>
MW:	<p>150.6 kDa</p>