

Product datasheet for **VC102573**

SARS-CoV-2 E Gene Tagged ORF Clone (Native Sequence)

Product data:

Product Type:	Expression Plasmids
Product Name:	SARS-CoV-2 E Gene Tagged ORF Clone (Native Sequence)
Tag:	Myc-DDK
Symbol:	E Protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102573 represents NCBI reference of YP_009724392 Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGTACTATTCGTTTCGGAAGAGACAGGTACGTTAATAGTTAATAGCGTACTTCTTTTCTTGCTTTC
 GTGGTATTCTTGCTAGTTACACTAGCCATCCTTACTGCGCTTCGATTGTGTGCGTACTGCTGCAATATT
 GTTAACGTGAGTCTTGTAACCTTCTTTTACGTTTACTCTCGTGTAAAAATCTGAATTCTTCTAGA
 GTTCCTGATCTTCTGGTC
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

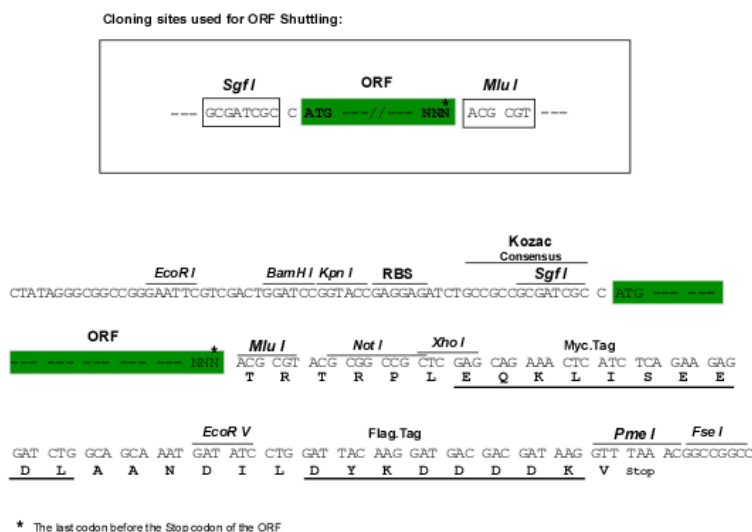
Protein Sequence:	>VC102573 representing YP_009724392 Blue=ORF Red=Cloning site Green=Tag(s)
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MYSFVSEETGLIVNSVLLFLAFVVFLLVTLAILTALRLCAYCCNIVNVSLVKPSFYVYSRVKLNSSR
 VPDLLV
TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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Cloning Scheme:



ACCN: NC_045512

ORF Size: 225 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

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: [NC_045512.2](#), [YP_009724392](#)

RefSeq ORF: 225 bp
MW: 8.4 kDa