

## Product datasheet for **VC102564**

### SARS-CoV-2 ORF10 Gene Tagged ORF (codon optimized)

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SARS-CoV-2 ORF10 Gene Tagged ORF (codon optimized)
Tag:	Myc-DDK
Symbol:	ORF10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>&gt;The Viral ORF clone VC102564 represents NCBI reference of YP_009725255 with codon optimized for human cell expression</p> <p>Blue=ORF Red=Cloning site Green=Tag(s)</p> <p>GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG            GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC            ATGGGCTACATAAATGTCTTCGCTTTCCTTTCACAATTTACTCACTTCTCCTCTGCCGCATGAAC TCT            AGAAACTATATTGCTCAAGTCGACGTCGTTAATTTTAATCTCACC            ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT            TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC</p>
Protein Sequence:	<p>&gt;VC102564 representing YP_009725255</p> <p>Blue=ORF Red=Cloning site Green=Tag(s)</p> <p>MGYINVFAFPFTIYSLLLCRMNSRNYIAQVDVNFNL T            TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Restriction Sites:	Sgfl-MluI


[View online »](#)

## Cloning Scheme:



ACCN: NC\_045512

ORF Size: 114 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\_009725255  
RefSeq ORF: 114 bp  
MW: 4.4 kDa