

Product datasheet for VC102564

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436

OriGene Technologies, Inc.

Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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-DDKSymbol:ORF10

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >The Viral ORF clone VC102564 represents NCBI reference of YP_009725255 with codon

Sequence: optimized for human cell expression
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGGCTACATAAATGTCTTCGCTTTCCCTTTCACAATTTACTCACTTCTCCTCTGCCGCATGAACTCT

AGAAACTATATTGCTCAAGTCGACGTCGTTAATTTTAATCTCACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Protein Sequence: >VC102564 representing YP_009725255

Blue=ORF Red=Cloning site Green=Tag(s)

MGYINVFAFPFTIYSLLLCRMNSRNYIAOVDVVNFNLT

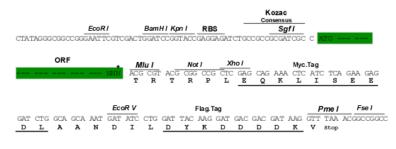
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

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.



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RefSeq: NC 045512.2, YP 009725255

 RefSeq ORF:
 114 bp

 MW:
 4.4 kDa