

Product datasheet for **VC102578**

SARS-CoV-2 Nsp8 Gene Tagged ORF Clone (Native Sequence)

Product data:

Product Type: Expression Plasmids
Product Name: SARS-CoV-2 Nsp8 Gene Tagged ORF Clone (Native Sequence)
Tag: mRFP
Symbol: NSP8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-mRFP (PS100041)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >The Viral ORF clone VC102578 represents NCBI reference of YP_009725304
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTATAGCCTCAGAGTTTAGTTCCTTCCATCATATGCAGCTTTTGCTACTGCTCAAGAAGCTTAT
GAGCAGGCTGTTGCTAATGGTGATTCTGAAGTTGTTCTTAAAAAGTTGAAGAAGTCTTTGAATGTGGCT
AAATCTGAATTTGACCGTGATGCAGCCATGCAACGTAAGTTGGAAAAGATGGCTGATCAAGCTATGACC
CAAATGTATAAACAGGCTAGATCTGAGGACAAGAGGGCAAAGTTACTAGTGCTATGCAGACAATGCTT
TTCACATGCTTAGAAAAGTTGGATAATGATGCACTCAACAACATTATCAACAATGCAAGAGATGGTTGT
GTTCCCTTGAACATAATACCTTTACAACAGCAGCCAACTAATGGTTGTCATACCAGACTATAACACA
TATAAAAATACGTGTGATGGTACAACATTTACTTATGCATCAGCATTGTGGGAAATCCAACAGGTTGTA
GATGCAGATAGTAAAATTGTTCAACTTAGTGAAATTAGTATGGACAATTCACCTAATTTAGCATGGCCT
CTTATTGTAACAGCTTTAAGGGCAATTCTGCTGTCAAATTACAGGCAGCAAATGATATCCTGGATTAC
AAGGATGACGACGATAAGGTT
ACGCGTACGCGGCCGCTCGAG - mRFP-Tag - TAA GTT TAA ACGGCCGCGCCGCG
```

Protein Sequence: >VC102578 representing YP_009725304
Blue=ORF Red=Cloning site Green=Tag(s)

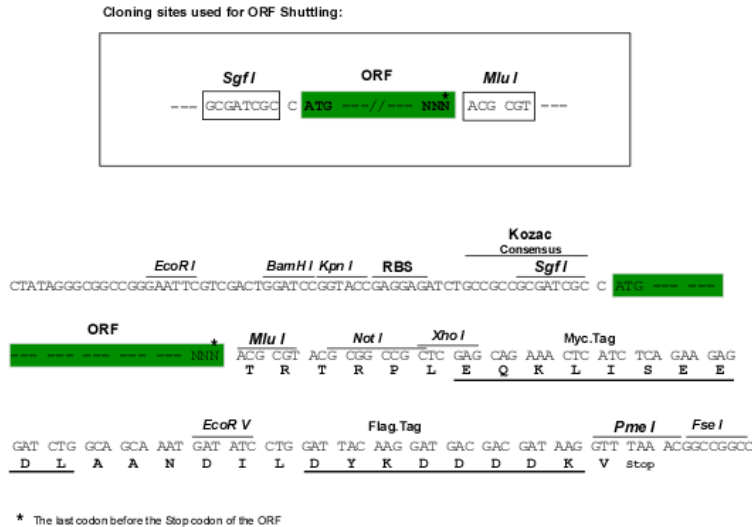
```
MAIASEFSSLPSYAAFATAQEAYEQAVANGDSEVVLKLLKSLNVAKSEFDRDAAMQRKLEKMDQAMT
QMYKQARSEDKRAKVTSAMQMLFTMLRKLNDALNNIINNARDGCVPLNIIPLTAAKLMVVIPDYNT
YKNTCDGTTFTYASALWEIQQVVDADSKIVQLSEISMDNSPNLAWPLIVTALRANSVKLQAANDILDY
KDDDDKV
TRTRPLE - mRFP-Tag -
```

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NC_045512

ORF Size: 642 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_009725304.1](#)

RefSeq ORF: 642 bp

MW: 23.7 kDa