

Product datasheet for **VC102577**

SARS-CoV-2 Nsp7 Gene Tagged ORF Clone (Native Sequence)

Product data:

Product Type: Expression Plasmids
Product Name: SARS-CoV-2 Nsp7 Gene Tagged ORF Clone (Native Sequence)
Tag: mRFP
Symbol: NSP7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-mRFP (PS100041)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >The Viral ORF clone VC102577 represents NCBI reference of YP_009725303
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTAAATGTCAGATGTAAAGTGCACATCAGTAGTCTTACTCTCAGTTTTGCAACAACTCAGAGTA
GAATCATCATCTAAATTGTGGGCTCAATGTGTCCAGTTACACAATGACATTCTCTTAGCTAAAGATACT
ACTGAAGCCTTTGAAAAATGGTTTCACTACTTTCTGTTTTGCTTCCATGCAGGGTGCTGTAGACATA
AACAAGCTTTGTGAAGAAATGCTGGACAACAGGGCAACCTTACAAGCAGCAAATGATATCCTGGATTAC
AAGGATGACGACGATAAGGTT
ACGCGTACGCGGCCGCTCGAG - mRFP-Tag - TAA GTT TAA ACGGCCGGCCGCGG
```

Protein Sequence: >VC102577 representing YP_009725303
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSKMSDVKCTSVVLLSVLQQLRVESSSKLWAQCVQLHNDILLAKDTTEAFEKMSVLLSVLLSMQGAVDI
NKLCEMLDNRATLQAANDILDYKDDDDKV
TRTRPLE - mRFP-Tag -
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NC_045512

ORF Size: 297 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_009725303.1](#)

RefSeq ORF: 297 bp
MW: 11.1 kDa