

Product datasheet for **VC100577**

HCoV-HKU1 nsp1 Gene Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCoV-HKU1 nsp1 Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	nsp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100577 represents NCBI reference of YP_460018 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATGATCAAACACTAGCAAATATGGACTGGGATTCAAATGGGCTCCAGAATTCGGTGGTTGCTCCCCG
ACGCCGCTGAGGAACTTGCTTCCCCTATGAAGAGTGACGAGGGAGGACTTTGTCCCTCAACCGCCAAGC
CATGGAGAGTGTCGGATTCGTGTACGATAATCATGTGAAGATTGATTGTCGATGCATCCTGGGACAGGAA
TGGCAGTCCAGAGTAACCTGATCAGGGACATCTTTGTTACAGGACCTTCATGTGGTGGAAAGTGCTCA
CAAAAAGTGCCTTAAGAGTGGGACTGCAATCCTGATTAAGAGTCCCTCCACTCTCTGGGAGGGTTCCC
GAAAGGCTATGTGATGGGCTGTTTAGAAGCTACAAGACTAAGCGGTACGTGGTGCATCATCTGAGTATG
ACCACAAGTACCACAAATTCGGGGAGGACTTTCTGGGCTGGATAGTACCATTGGATTTATGCCAAGCT
ATGTGCACAAATGGTTTCAGTTCTGCCGCTTTATATCGAGGAAAGCGACCTTATTATATCAAATTTCAA
ATTTGACGACTACGATTTTCCGTGGAAGATGCTTACGCAGAGGTACACGCCGAGCCAAAAGGTAAGTAC
TCCAGAAGGCATATGCACTGCTTCGGCAGTACAGGGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100577 representing YP_460018
 Red=Cloning sites Green=Tags

MMIKTSKYGLGFKWAPEFRWLLPDAAEELASPMKSDEGGLCPSTGQAMESVGFVYDNHVHKIDCRCILGQE
 WHVQSNLIRDIFVHEDLHVVEVLTKTAVKSGTAILIKSPLHSLGGFPKGYVMGLFRSYKTKRYVVHLSM
 TTSTTFNGEDFLGWIVPFGFMPYSVHKWFQFCRLYIEESDLIISNFKFDDYDFSVEDAYAEVHAEPKGKY
 SQKAYALLRQYRG

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_006577

ORF Size: 669 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

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_006577.2](#), [YP_460018](#)

RefSeq ORF: 669 bp

MW: 25.6 kDa