

## Product datasheet for **VC100579**

### HCoV-HKU1 nsp6 (hydrophobic domain) Gene Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HCoV-HKU1 nsp6 (hydrophobic domain) Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	nsp6 (hydrophobic domain)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100579 represents NCBI reference of YP_460019 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAAGACTAAGAGATTTATCAAGGAAACAATTTATTGGATTCTGATCAGTACCTTTCTGTTCTCTT  
GTATCATTAGCGCCTTCGTGAAGTGGACAATATTCATGTATATCAATACTCATATGATCGGCGTGACCCT  
GTGTGTTCTCTGCTTCGTTTCTTTTCATGATGCTGCTGGTTAAGCACAAGCACTTCTATCTGACCATGTAT  
ATAATCCCGGTGCTGTGCACATTGTTCTACGTTAACTATCTGGTAGTGTACAAGGAGGGCTCCGCGGAT  
TCACATACGTCCTGTTGTCTTACTTTGTGCCCGCGTCAACTTCACTTATGTCTATGAAGTGTCTACGG  
ATGTATCCTGTGTGTTTTCGCCATCTTTATAACCATGCACAGCATCAATCATGATATCTTCTCCCTGATG  
TTCCTCGTTGGCAGGATCGTCACCCTGATTTCTATGTGGTATTTTCGGTTCTAACCTGGAAGAAGACGTGC  
TGCTGTTCAACTGCATTTCTCGGTACCTATACGTGGACGACCATACTGTCCCTGGCTATTGCCAAGAT  
CGTGGCAAAGTGGCTGTCCGTTAACATTTTTACTTCACAGATGTGCCCTACATCAAGCTCATTCTGCTG  
AGTTACCTCTTATTGGGTATATTTGTCTTGTACTGGGGCTTTTTTCCCTGTTGAAGCTGTGTTCA  
GGATGCCAATGGGGGTGATAATTATAAGATTTCCGTGCAAGAGCTTAGGTACATGAACGCTAATGGTCT  
GAGGCCACCAAGGAACTCCTTTGAAGCCATCCTGCTTAATCTCAAAGTGTGGGAATTGGCGCGTGCCA  
GTGATCGAGGTGAGCCAGATTACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100579 representing YP\_460019  
Red=Cloning sites Green=Tags

MSKTKRFIKETIYWILISTFLFSCIISAFVKWTFMYINTHMIGVTLCLVCFVSMMLLVKHKHFYLTMY  
 IIPVLCTLFYVNYLVVYKEGFRGFTYVWLSYFVPAVNFYVVEVYFGCILCVFAIFITMHSINHDIFSLM  
 FLVGRIVTLISMWYFGSNLEEDVLLFITAFGLTYTWTTLISLAIKIVANWLSVNIFYFTDVPYIKLILL  
 SYLFIGYILSCYWGFFSLLNSVFRMPMGVYNYKISVQELRYMNANGLRPPRNSFEAILLNKLLGIGGVP  
 VIEVSIQI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_006577

**ORF Size:** 864 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\\_460019](#)  
RefSeq ORF: 864 bp  
MW: 33.7 kDa