

## Product datasheet for VC100582

### HCoV-HKU1 nsp8 Gene Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HCoV-HKU1 nsp8 Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	nsp8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100582 represents NCBI reference of YP_460020 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAGAGTTTGTGAATATGGCGTCTTTCGTCGAGTACGAGGTCGCCAAGAAAACTGGCCGATGCTA  
AGAATTCGGTTCTGTGAACCAGCAGCAGATTAAGCAATTGGAGAAGGCTTGCAACATTGCTAAGAGCGT  
TTACGAAAGAGATAAAGCGGTTGCTCGCAAACGGAGAGAATGGCCGATCTGGCGCTGACAAACATGTAC  
AAGGAGGCTAGGATTAATGATAAGAACTAAGGTTGTGAGCCCTGACGACAATGCTCTTTCAATGG  
TGCGGAAGCTTGACAACCAGGCACCTTAACCTCCATTCTGGATAACGCAGTGAAGGGTTGCGTGCCTCTCTC  
TGCTATCCCGCCCTGGCTGCCAACACCTTGACTATCGTGATCCCGACAAACAAGTGTTCGACAAGGTT  
GTAGATAACGTGTACGTGACTTATGCCGTTCCGTGTGGCATATTCAAACTGTGCAAGACCCGACGGAA  
TCAATAAGCAGCTTACAGACATTTCTGTGGATTCTAATTGGCCACTGGTGATCATCGCCAATAGGTATAA  
CGAAGTGGCCAATGCTGTGATGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100582 representing YP_460020 Red=Cloning sites Green=Tags
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MSEFVNMAFVEYEVAKKNLADAKNSGSVNOQQIKQLEKACNIAKSVYERDKAVARKLERMADLALTNMY  
KEARINDKKSQVVSALQTMLFSMVRKLDNQALNSILDNAVKGCVPLSAIPALAANTLTIVIPDKQVFDKV  
VDNVVVTYAGSVWHIQTVDADGINKQLTDISVDSNWPLVIIANRYNEVANAVMQ

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC\_006577

ORF Size: 585 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\\_460020](#)

RefSeq ORF: 585 bp

MW: 21.6 kDa