

## Product datasheet for **VC100585**

### HCoV-HKU1 nsp13 Gene Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HCoV-HKU1 nsp13 Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	nsp13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC100585 represents NCBI reference of YP\_459942 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCGTGGGCGCTTGGCTCGTCTGCTCTTCTCAGACTAGTCTGCGCTGCGGTAGTTGCATCAGAAAAC  
 CACTTCTTTGTTGCAAGTGTGTTATGACCATGTGATGGCCACTAACCACAAATATGTGCTCTCAGTAAG  
 TCCCTACGTGTGAACGCACCTAACTGTGACGTTCCGATGTGACCAAGCTCTACCTCGGAGGCATGAGT  
 TATTATTGCGAGAACCATAAACCCCACTACTCCTTCAAGCTGGTGTGAATGGCATGGTGTGGACTTT  
 ATAAGCAGAGCTGCACCGGCTCACCATACATCGACGATTTCAATAAGATTGCCTCCTGTAAGTGGACCGA  
 AGTGGACGATTATGACTGGCCAACGAATGTATCGAACGATTGAACTTTTTGCCGCGGAGACACAGAAG  
 GCCACCGAAGAAGCCTTCAAACAATCCTACGCTAGTGCTACAATCCAGGAGATTGTGTCTGACCGAGAGG  
 TCATCCTCTGTTGGGAACTGGAAAGGTGAAACCCCTTGAACAAGAATTACGTCTTCACAGGTTATCA  
 CTTTACATCCACCGGCAAACCGTCTCGGGGAGTACGTATTGCAACAAGCGAGCTGACTAACGGCGTT  
 TACTATCGGGCCACAACCTACATAACAAGCTGTCCATAGGGCAGCTGTTCTGACTGACGTCTCACTCAGTGG  
 CGTCCCTTTCCGCCCCCACTTTGGTACCTCAGGAAAACACTCGCATCAATTAGGTTCTCCTCTGTGTA  
 CGTGCCATTGGTGTTCAGAACAACTGGCTAACTACCAGCACATTGGCATGAAGCGGACTGCACCGTG  
 CAGGGACTCCCGGGACTGGAAAGGCCACCTGGCTATCGGGCTGGCTGTCTATTACTACACTGCGAGGG  
 TGGTGTATACCGCCGACGCAATGCCGCAAGTGGATGCCCTGTGCGAAAAGGCGTACAAGTTCCTCAACAT  
 AAATGACTGCACAAGAATTATTCGGCAAAGGTGCGAGTCGACTGTTATGACAAATTTAAATAAATGAC  
 ACAACTTGTAAGTACGTGTTACAACAATTAATGCGCTCCCGAGCTCGTGACCGATATAGTGGTAG  
 ACGAGGTGAGCATGCTTACTAATTACGAACTCTCAGTTATAAATGCAAGGATCAAGGCTAAACACTACGT  
 GTACATTGGAGATCCCGCTCAGCTTCTGCGCCACGGGTTCTGCTGAGCAAGGGTCCCTGGAGCCCGG  
 CATTTCAACTCAATTACAAAAAATATGTGCTGTCTGGCCCTGACATTTCTGGGAACTGTTACCCT  
 GTCCCAAGGAAATCGTGGAGACCGTATCTGCTCTGGTTTATGATAACAAGCTGAAGGCCAAAAATGACAA  
 CTCTTCATTGTGCTTAAAGGTGATTTTAAAGGGCCAGACTACGCATGAATCTAGTTCTGCCGTAATATT  
 CAACAGATTTATCTTATTAGCAATTTCTGAAGGCTAACCTGTATGGAATAGTGTGTTTTCATCAGCC  
 CTTACAACAGTCAGAACTACGTGGCCAAGAGGGTCTCGGGGTGCAAACGCAGACTGTCGACAGTGCCCA  
 GGGCTCTGAGTACGACTACGTCACTATTCTCAAACCTGCTGAGACTGCCACTCAGTGAATGTTAACAGA  
 TTCAATGTGCGCCATCACAAAGGGCTAAAAAAGGTATATTTTGCCTGATGTCAAACATGCAGCTTTTCGAGA  
 GTTTGAATTTATTACCCTGCTCTGGACAAAATCCAGAACCAACGTTGCCCGGCTGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100585 representing YP\_459942  
 Red=Cloning sites Green=Tags

MSVGACVVCSSQTSRLRCGSCIRKPLLCKCCYDHVMATNHKYVLSVSPYVCNAPNCDVSDVTKLYLGGMS  
 YYCENHKPHYSFKLVMMGMVFGLYKQSCGSPYIDDFNKIASCKWTEVDDYVLANEIERLKLFAAETQK  
 ATEEAFKQSYASATIQEIVSDREVILCWETGKVKPPLNKNYVFTGYHFTSTGKTVLGEYVFDKSELNNGV  
 YYRATTTYKLSIGDVFVLTSHSVASLSAPTLVPQENYASIRFSSVYSVPLVFQNNVANYQHIGMKRYCTV  
 QGPPGTGKSHLAIGLAVYYTARVVYTAASHAAVDALCEKAYKFLNINDTRIIPAKVRVDCYDKFKIND  
 TTCKYVFTTINALPELVDIVVVDEVSMLTNYELSVINARIKAKHYVYIGDPAQLPAPRVLLSKGSLEPR  
 HFNSITKIMCCLGPDIFLGNRCYRCPKEIVETVSALVYDNKLNKAKNDNSSLCFKVYFKGQTTHESSAVNI  
 QQIYLIISKFLKANPVWNSAVFISPYNSQNYVAKRVLGVQTQTVDSAQGSSEYDYVIYSQTAETAHSVNVNR  
 FNVAITRAKKGIFCVMSNMQLFESLNFITLPLDKIQNQLPRLH

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

