

Product datasheet for **VC100576**

HCoV-HKU1 N2 Gene Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HCoV-HKU1 N2 Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	N2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100576 represents NCBI reference of YP_173243 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGAGGTGGAGGCCCTCTGAAATCGTCCAAGAGAGCTCCCGAAGCTGCTGGGACTCACCAACC
TCAGCGAGATCACAAAGCCCCTGATTGAAGCCGAGAAGCCCAACCTGAATCCCTGTGCCTGCTCAATCA
CAAGGAGATCCTGAGCCACATCATCCCAGGCAGCCCCGGCTCCCTGAACCTCAAGAAGGTGGAGACCCTG
AACTCCAGATGGTCAAGGAGTTCCCCCTGCTGAGCGAGTACCCCTCCTCAAGCAGAAAGACATCGGCA
TCGACACCGCCGGCGTGCCTCTGAAGCAGCTCATGGTGAACAAGAGCTCCTGCTACCGGGATGGCATCAG
CACTATCTCCGTGCCCGCCACATGCCTATGCACCCCATGGTGAACCCAGCAAGGGCAGCAGCGGACTC
CTGATTACCAAGCTGACTCCTGCTGCCCCCATGTTCCGGCAGGGCATCCTGCTGCTCAAAAAGCTCA
GCCTGCTCGGCTTTCGGCTGGTGCGGTTCTGCCTGAAGGCCATCATGCTGAAAGCCAGGAGGGCCTCCT
CCTCATCGTCGACCAGGTGCACGTGCTGAATCATGTGCGATCCAATCATTGTGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100576 representing YP_173243 Red=Cloning sites Green=Tags
-------------------	--

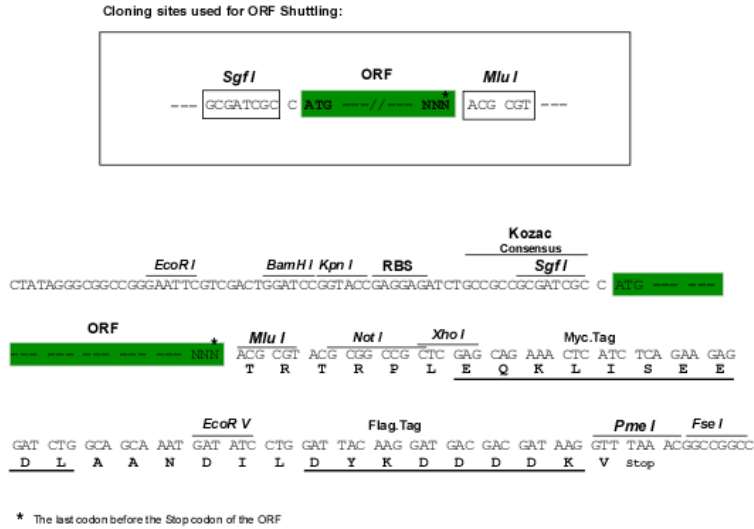
MLEVEAPLEIVQESSRLLGLTNLSEITKPLIEAEKPNLNSLCLLNHKEILSHIIPGSPGSLNFKKVETL
NFQMVKEFPLLSEYPLLKQKDIGIDTAGVLLKQLMVNKSSCYRDGISTISVPAHMPMHPMVNPSKGSGL
LITKLTL LLPMFRQGI LLLKLSLLGFRLVRFCLKAIMLKAQEGLLLIVDQVHVLNHVDP IIVH

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_006577

ORF Size: 615 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_173243](#)

RefSeq ORF: 615 bp

Locus ID: 3200424

MW: 22.8 kDa