

## Product datasheet for VC100570

## **HCoV-HKU1 HE Gene Tagged ORF Clone**

## **Product data:**

ACCN:

ORF Size:

| Product Type:                | Expression Plasmids   |
|------------------------------|---|
| Product Name:                | HCoV-HKU1 HE Gene Tagged ORF Clone  |
| Tag:                         | Myc-DDK   |
| Symbol:                      | HE  |
| Mammalian Cell<br>Selection: | Neomycin  |
| Vector:                      | pCMV6-Entry (PS100001)  |
| E. coli Selection:           | Kanamycin (25 ug/mL)  |
| <b>Restriction Sites:</b>    | Sgfl-Mlul   |
| Cloning Scheme:              | Cloning sites used for ORF Shuttling:   |
|                              | Sgfi         ORF         Miui            GCGATCGC         C         ATG          Nami         ACG         CGT |

EcoR I

\* The last codon before the Stop codon of the ORF

ORF

NC\_006577

1158 bp

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCT

EcoR V

Mlu I

R

BamHI Kpn I

RBS

P

Flag. Tag

CAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCCC D L A A N D I L D Y K D D D K V stop

Not I ACG T

R

Kozac

Sgfl

GAG CAG AAA CTC ATC EQKLJ

TCA GAA GAG S E E

Pme I

Fse I



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| <b>ORIGENE</b> HCoV-HKU1 HE Gene Tagged ORF Clone – VC100570 |  |
|--|--|
| OTI Disclaimer:  | The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide<br>Sequence" link above. This sequence represents the NCBI reference after codon optimization<br>for human cell expression, and retaining the same decoded protein sequence. The stop<br>codon in the native sequence was removed to create the in-frame c-terminal fusion with a<br>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:                                       | <ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| RefSeq:  | <u>NC 006577.2, YP 173237</u>  |
| RefSeq ORF:  | 1158 bp  |
| Locus ID:  | 3200425  |
| MW:  | 44.7 kDa   |