

Product datasheet for VC100097

E3 CR1-beta1 (AC_000019) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E3 CR1-beta1 (AC_000019) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E3 CR1-beta1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100097 represents NCBI reference of AP_000595 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCCAGCCTTACAAGTCTTATTTTTGTGAGTATCGTGACCGCCGCACACGGGCAGACAGTCGTTAGCA
TTCCACTTGGACACAATTACACCCTGATCGGCCCGCCTATTACCTCAGAAGTCATATGGACGAAGTTGGG
GTCAGTCGATTATTTTCGACATCATCTGTAACAAGACTAAGCCGATAATCGTCACCTGCAACATTCAAAC
TTGACTGTGATCAACGTCAGTAAGGTGTACAGCGTTACTATTACGGGTACGACAGGTACTCCTCCAGT
ACCGAAATTACCTCGTTAGAGTCACTCAGCTGAAGACAACAAAAATGCCAACATGGCCAAAATACGATC
CGACGACAATTCTCTCGAAACCTTTACCTCACCTACAACCCAGACGAAAAGAACATACCAGACTCAATG
ATTGCCATCGTGGCTGCTGTGGCCGTGTAATGGCCCTCATAATTATTTGCATGCTTCTTTATGCATGCC
GCTACAAGAAATTCCACCCTAAGAAGCAAGACCTGCTGCTCCGACTCAATATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100097 representing AP_000595
Red=Cloning sites Green=Tags

MASLTSLIFVSIVTAAHGQTVVSIPLGHNYTLIGPPITSEVIWTKLGSVDYFDIICNKTPIIVTCNIQN
LTLINSVKVVSYGGYDRYSSQYRNYLVRVTQLKTTKMPNMAKIRSDDNSLETFTSPTTPDEKNIPDSM
IAIVA AVVMALIIICMLLYACRYKFFHPKKQDLLLLRLNI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: AC_000019

ORF Size: 543 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: [AC_000019.1](#), [AP_000595](#)

RefSeq ORF: 543 bp

MW: 20.4 kDa