

Product datasheet for **VC100241**

E3 CR1-beta1 (AC_000005) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E3 CR1-beta1 (AC_000005) 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 VC100241 represents NCBI reference of AP_000130 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTCCATCTTTCTGCTGTTTCTTCTCACTTCCAAGCGGACTGTACGCGCAGACTGCTGAACGGC
CTCTCAAAGTTGTGGTGGAGGCGGGTACAATGTCACACTCCCGCATCTCTCCGGTCCCATCAAACCGG
GCATGTCACGTGGCTGGTTGAGACGTCGACTACGGCAGTGCATCACCCGACAATTCATCTTTTCTGCG
CAAAGCTGTGTCAGTTCACGGATAGAACTATGGTGTGGCCCTATTACAACCTGCATTTAACTGCGAGA
ATTACGACCTCAACCTGTTCTGGCTGAAAGTTGAAAATAGTGCCATTTATAACGTGAAGAATACTGTTAA
CGCCTCTGAAACTAACATCTACTATGACTTGAGGGTGGTTCAGATCTTTCCACCAAAGTGCATAATTACA
AGCAAATACCTCACTAATGATTACTGCCATATCACCATTAAGTGCACGAATAGCGACTACCTAATAAAG
TTGTCTTCAATAACGTAAGCAGGTGGTATTATGGTTATGGCAAAGGTAGTCCAACCTGCCTAATTATTT
TATTACCAACTTTAACGTTAGCGGGATTACCAAGAGCTTCAACCATACCTATCCGTTTAAAGAGCTCTGC
GACTATCCAACCTCCCAGTCCCAGCACTCTCTGACCCATACCGTACGACGGTATCTTTCTCGGCATCA
TAGGTTTCTCCATTCTTATTATAATCGCCGCTTTTATCTATCTCTGCTGGCATCGCAAGTCTCTGTGT
CAGCAAAACAGAGCCACTGATGCCTATCCCATAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100241 representing AP_000130
 Red=Cloning sites Green=Tags

MLSIFLLFLFSLPSGLYAQTAERPLKVVVEAGHNVTLPHLSGSHQTGHVTWLVETSDYGSASPDNFI FSG
 QKL CQFTDRTMVWPYYNLHFNENYDLNLFWLKVENSAIYNVKNTVNASETNIYYDLRVVQIFPPKCIIT
 SKYL TNDYCHIT INCTNSDYPNKVVFNNSRWYGYGKGSPTLPNYFITNFVSGITKSFNHTYFPNELC
 DYPTSQSQSHLTHTVSTVIFLGIIGFSILIIIAAFIYLCWHRKSLCVSKTEPLMPIPY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000005

ORF Size: 804 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_000005.1, AP_000130
RefSeq ORF: 804 bp
MW: 30.7 kDa