

Product datasheet for **VC100164**

80.2 kDa protein (NC_012959) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	80.2 kDa protein (NC_012959) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	80.2 kDa protein
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 VC100164 represents NCBI reference of YP_003038615 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGAAGAGCAGCCTAGAAAGCAAGAGCAGGAAGAGGAGAACCTCACCACTCATGAACAGCCAAAATTA
AACAGGATCTGGGTTGGAAGAGCCTGCCAGGCTGGAGCCACCACAAGACGAGCAGAAGGAACTAACGC
CGGACTCGAGCACGGCTACTTGGGGGACAGGAGGACGTTCTGTTGAAGCATCTGCAGAGGCAATCTTTT
ATTCTGCGCAGCCCTGGCCGACCGCTCAAAAACCTCACTTAGCGTGCAGGAGCTGTGTCGAGCCTACG
AACTGAACCTCTTTTCCCCAGAGTGCCACCCAAGAGGCAGCCGAACGGGACATGCGAACCAAATCTAG
ACTCAACTTCTATCCAGTGTTCGCGTCCAGAGGCTTGGCCACATACCATATCTTCTCAAGAACC
AAAATTCCTGTGCATGTAGGGTAATAGAACGAGGGCAGACGCATTGTTGGCCCTCGGACTGGTGCC
GGATTCCTGATATTGCCCTCACTCGAAGAGTCCCAAAAATCTTTGAAGGACTGGGCCGAGACGAAACA
AGCCGCTAATGCTCTGAAGGAGACCGCAGAGGAACAGGGCTACACATCAGCCCTCGTAGAGCTTGAGGGC
GATAATGCGCGGCTCGCAGTGTAAAGCGTCTGTGGAGCTGACCCACTTCGCCTATCCCGCTGTTAATC
TGCCCCAAAGGTTATGCGCCGATTATGGACCAGCTCATTATGCCTCATATCGAAGCTCTCGATGAGAG
TCAGAAACAGAGACCGGAGGATGCCAGCCAGTCGTTAGCGATGAAATGCTGGCCCGCTGGCTGGGAAAC
CGGGATCCACAATCCTTGAACAGCGCGGAAAGCTGATGCTCGTGTGCTGTTGTGACACTCGAGCTGG
AGTGATGCGCGCTTCTTCTGATCCGAGACTCTTAGAAAGGTGGAAGAACTCTCCATTATACCTT
CCGGCATGGTTTCGTCCGCAAGCCTGCAAGATATCCAACGTCGAAGTACAAATTTGGTGTGATGCTG
GGATCTGCAGAGAACCGGCTCGGACAGACAGTCTTCAATCCAGCTCAAGGTTGAAGCTAGAAAGGG
ACTACATACGCGACTGTGTGTTTCTGTTCTGTGTCATACATGGCAGTCAGCCATGGGAGTGTGGCAGCA
GTGCTCGAAGACGAGAATCTGAAGGAAGTGGACAAGCTCTGGCTAAGAACCTGAAAACCTTGTGGACC
GGGTTGATGAACGCACAGTGGCTTTGGACCTGGCCGAGATCGTGTTCAGAAAGACTGCGGCAGACTC
TGAAGGGTGGGCTCCCGATTTTCATGTCTCAATCCATGCTGCAGAATTACCGGACATTTATCCTGGAGCG
CTCCGGGATCCTCCCTGCCACCTGTAACGCTTTCCCTCCGACTTCGTCCTGAGCTACCGGGAATGC
CCCCGCCCTTGTGGTCCCACTGCTATCTGCTGCAGCTTGGCAACTACATTGCCTACCACTCAGATGTGA
TCGAGGACGTTTCGGCGAGGGGCTGCTGGAGTGCCACTGTAGATGCAATTTGTGCAGCCACATAGAAG
TCTGGTATGTAATCCTCAGTTGTTGCTGAGACCCAAGTCATTGGCACGTTTGAAGTCCAGGGTCCCGAA
AAGTCAACAGCACCGCTTAACTGACACCAGGGCTTTGGACGCTGCTTATCTCCGGAAGTTTGTCCAC
AGGACTATCACGCACACGAAATCAAATCTTTGAAGATCAGCTGAGGCCACAGCACGCGGACCTCACCGC
TTGCGTTATTACGCAGGGTACGATCCTGGCCAGCTTACGCAATCCAGAAGTCCCGGCAGGAATTTCTC
CTGAAAAAGGGCAAGGGAGTACCTGGATCCCCAGACAGGAGAAGTCTGAATCCTGGACTGCCCCAGC
ATGCCAAAAGGAGGCGGCGCTACCAGCGGTGGAGATGGAAGACGAATGGGACAGCCCGGTAGAGGTGG
TCGGATGGGTGGTGGACGGATCGGCCGGGGGGCACAGGAGCGGGCAATAGGGCTGCGCGAAGACGAACA
ATCAGAGCTGGATCACCTAGTGGCCAGGCTCCAGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

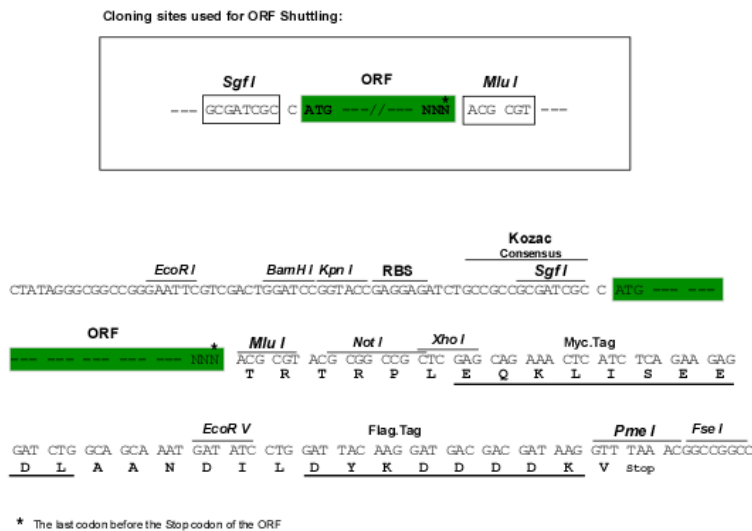
Protein Sequence: >VC100164 representing YP_003038615
Red=Cloning sites Green=Tags

MEEQPRKQE~~EE~~ENLTTHEQPKIKQDLGLEEPARLEPPQDEQKETNAGLEHG~~Y~~LGGQEDVLLKHLQRQSF
 ILRDALADR~~S~~KTPLSVQELCRAYELNLFSPRVPPKRQPNGTCEPNR~~L~~NFYVPFVAVPEALATYHIFFKNQ
 KIPVSCRANRTRADALLALGPGARIPDIASLEEVPKIFEGLGRDETRAANALKETAEEQGYTSALVELEG
 DNARLAVLKR~~S~~VELTHFAYPVNLPPKVMRRIMDQLIMPHIEALDESQKQRPEDAQPVVSDEMLARWLG
 RDPQSLEQRRKMLAVLVLTLELECMRRFFSDPETLRKVEETLHYTFRHGFVRQACKISNVELTNLVSCL
 GILHENRLGQTVLHSTLKGEARRDYIRDCVFLFLCHTWQ~~S~~AMGVWQCCLEDENLKELDKLLAKNKLTLWT
 GFDERTVALDLAEIVFPERLRQTLKGLPDFMSQMLQNYRTFILERSGILPATCNAFSD~~F~~VPLSYREC
 PPPLWSHCYLLQLANYIAYHSDVIEDVSGEGLECHCRCNLCSPHRSLVCNPQLLSETQVIGTFELQGP
 KSTAPLKLTPGLWTSAYLRKFV~~P~~QDYHAHEIKFFEDQLRPQHADLTACVITQGTILAQLHAIQKSRQEF
 LKKGKGVYLD~~P~~TGEVLNPLPQHAKKEAGATSGGDGRRMQPGRGRRMGGRIGRGGT~~G~~AGNRAARRR
 IRAGSPSGQASS

TRRRLEQKLISEEDLANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_012959

ORF Size: 2136 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_012959.1](#), [YP_003038615](#)

RefSeq ORF: 2136 bp

MW: 80.2 kDa