

Product datasheet for **VC100176**

34 kDa protein (NC_012959) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	34 kDa protein (NC_012959) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	34 kDa protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100176 represents NCBI reference of YP_003038627 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTACAGAAGAACAAGCACGTTGCTCCGCCACCACCCTTATCGGCGCGCCGGCTGTCCCCTATG
ATAAAGAAACAAGGGCCCTCCCTGACGGAACAGCATCCCTTGCTGCCCGATTGTGACCACGCAGATTACCA
CAATGTGTCCAGTGTGAGAGGACTTCCATGCGCGGCAGGGTTCCTCTGCTCCAAGAGTTCCGGTGCCT
TGGGACATGATACTGACTACAAAAGAGGTAAAAATTCTGAAGCGATGTATGTCTGTTTGTCTTTGCCCG
CCACTCTCGATCTTGTCCGAGCGCAGATGGTGTCTGGTTATGAGAGATGGATCCTGCACTGTCACTGTTT
CTCCCCAGGTTTCCTTGCAGTGTGCGGCCGAGGAACACTGCTGGCTGTCTGGTTCGCCCGGTCATATAC
GGTTGCATGTTCAACCAAGATTCCCATGGTACAGACAGATAGTCAACCGGAACATGCCGAAGGAGATAA
TGTACATGGGCAGCGTGTATCCGGGGGAGACACCTCATTTACTGTAGGATATGGTACGACGGTCACGT
GGGGTCAATCATCCCAACATATCCTTTGGTTGGAGCACCTCAACTACGGTTTGCTTAACAACATCATG
ATTATGTGCTGTACGTATTGCGAAAATATGTCAGAAATCAGGATGAGGTGCTGTGCCCGGAGGACTAGAC
GACTTATGCTCCGAGCCGTGGGAATAATTGTGAAGGAAACCTGCGACCCTGATCCAATATGTTCCAGCAG
GACTGAGCCACGGCGCCAGCGGCTGCTGAGGGCTCTGATGGAACGCATAGACCTATCCTCTTTAGCGAA
TACGAATCCGTGCGGTCCAGTCACTCTACACGACTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100176 representing YP_003038627
 Red=Cloning sites Green=Tags

MSTEEQSTLLRHHPYRRARLSRYDKETRASLTEQHPLLPDCDHADYHNVSSVRGLPCAAGFTLLQEFPVP
 WDMILTTKEVKILKRCMSVCLCPATLDLVRAQMVSGYERWILHCHCSSPGLQCRAGGTTLAVWFRRIY
 GCMFNQRFPWYRQIVNRNMPKEIMYMGVSFIRGRHLIYCRWIYDGHVGSIIIPNISFGWSTLNYGLLNIM
 IMCCTYCENMSEIRMCCARRTRRLMLRAVGIIIVKETCDPDPICSSRTEPRRQRLLRALMERHRPILFSE
 YESVRSSHSTRL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_012959

ORF Size: 876 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_003038627
RefSeq ORF: 876 bp
MW: 34.2 kDa