

## Product datasheet for **VC100154**

### 52/55K (NC\_012959) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	52/55K (NC_012959) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	52/55K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100154 represents NCBI reference of YP_003038605 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATCCCGTCTTGCGGCAGATGAGACCCACTCCCCAGCCACCACCGCAACTGCTGCCGTGGCAGGAG  
CCGGTGTGTCCAGCAGCAGACTGAAATGGACCTCGAGGAAGGCGAGGGTTTGGCCAGACTGGGCGCTCC  
TAGCCCCGAGAGACATCCACGGGTGCAGCTGCAGAAGGATGTAAGGCCCGCTACGTCCCTCAGAAT  
TTGTTCAGAGATCGGTCAGGGGAAGAGCCTGAGGAGATGCGCGATTGCCGATTTCCGCGCCGCGCGAAC  
TGAGGGAGGGACTGGACCGCCAGAGAGTGTGCGGGATGATGATTTTGAACCTAATGAGCAAACCTGGAT  
CTCCCCGCGAGAGCACACGTTGCCGCCGCAACCTCGTCACAGCCTATGAACAGACAGTGAAGCAGGAA  
CGGAATTTTCAAAGAGCTTCAATAACCATGTCAGGACCCTCATCGCCGAGAAGAAGTGGCTCTCGGTC  
TCATGCATCTCTGGATCTCGCCGAAGCCATTGTTCAGAATCCGGATAGCAAACCCTTGACTGCGCAACT  
GTTCTTGGTTGTCCAGCATAGTAGGGATAACGAAGCATTAGGGAAGCACTCCTAATATCGCAGAGCCC  
GAAGGTCGCTGGCTGCTGAGCTGATTAACATCTGCAGAGCATTGTCGTCAGGAGCGCTCACTCAGCC  
TTGCTGAGAAAGTTGCTGCCATAAATTAGTGTCTGTCTCTGGCAAATTTTATGCTCGCAAGATCTA  
TAAGACCCCTATGTTCCATCGATAAAGAAGTCAAAATTGACAGCTTCTACATGAGAATGGCGCTCAAG  
GTCTTACTCTGAGTGATGACCTGGGCGTATACAGAAATGACAGGATACATAAGGCTGTTTCAACTTCCA  
GACGCAGGGAGCTGAGCGACCGGGAGCTTATGCTGAGTCTGCGAAGAGCCCTCGTAGGGGTGCCGCGTC  
TGGCGAGGAGTCACACTTCGACATGGGCGCAGATCTCCAAGGAGCCTAGCAGGAGAGCTTTGGAAGCT  
CGGTATGGCCCTGAGGACCTGGATGAGGATGAGGAGGAGGAAGAAGATGCTCCTGCTGCTGGGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

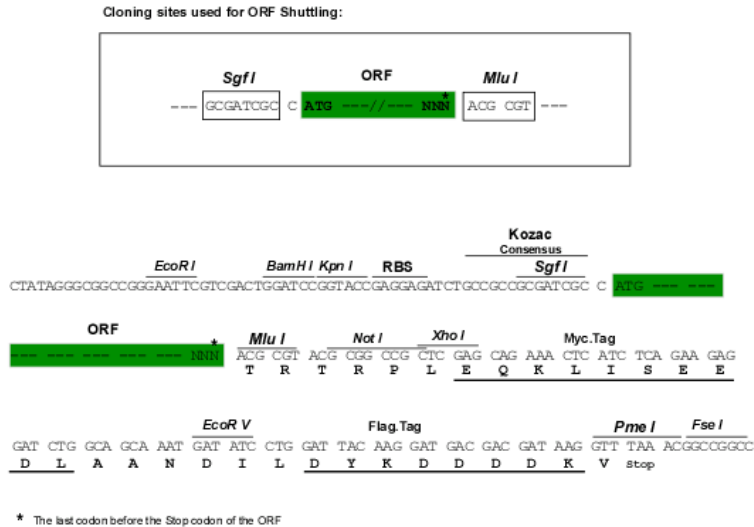
**Protein Sequence:** >VC100154 representing YP\_003038605  
Red=Cloning sites Green=Tags

MHPVLRQMRPTTPATTATAAVAGAGAVQQQTEMDLEEGLARLGAPSPERHPRVQLQKDVRPAYVPAQN  
 LFRDRSGEEPEMRDCRFRAAGRELREGLDRQVLRDDDFEPNEQTGISPARAHVAAANLVTAYEQTVKQE  
 RNFQKSFNNHVRTLIAREEVALGLMHLWDLAEAVQNPDSKPLTAQLFLVVQHSRDNEAFREALLNIAEP  
 EGRWLELELINILQSIIVQERSLSLAEKVAAINYSVLSLGGKFYARKIYKTPYVPIIDKEVKIDSFYMRMALK  
 VLTLSDDLGVYRNDRIHKAVSTSRRRELSRELMLSLRRALVGGGAASGEESHFDMGADLHWQPSRRALEA  
 AYGPELDDEDEEEEDAPAAGY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_012959

**ORF Size:** 1116 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\\_003038605](#)

**RefSeq ORF:** 1116 bp

**MW:** 42.0 kDa