

## Product datasheet for VC100170

### 44.5 kDa protein (NC\_012959) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	44.5 kDa protein (NC_012959) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	44.5 kDa protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100170 represents NCBI reference of YP_003038621 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGATGTCAAGACGCAAGAAGTCTATAAGTTTTCTTTTTCTTCTATTCCACAATGAATACACTCA  
CTTCCGTTGTCTTTCTTTCTTCTGGTCGCCTTCTCCGAGGCTGGAATCATCAATCTTAACGTCTCATG  
GGCATCAATCTTACTCTTGTGCGCCGCTGGACCTCCAGTACCTGGTATGACGGCAAAGGAATGCAG  
TTCTGTGACGGGAACACGATCAAAAATCCCCAAATAAAGCATTCTTGCAACCAACAGAATTTACCTTGC  
TCAATGCTGACAAGACCATGAAAGAACCTATCTGGGATACCGACATGACAGCAAAGGCAAGGTTGACTA  
CAAAGTTACTGTCATTCCCCCTCTTCCACAACCCGAAAGCCCTCTCACAGCCACATTACGTTACCGTT  
ACAATGAACCACAACATGACCCTTGTGGGTCCCCTGAACTTGCCTGTGACCTGGTACGATGGGGAGGGAA  
ATAAGCTGTGCAATGGAGAGAAGGTCGAGCAGCCGAATTCAACCACCTGCAACATACAAAATCTCAC  
CTTGCTCTTCGTGAACCTGACTCACAATGGGGCTATATTGGTTACAATAAAGACGGGAGTAACCGCGAA  
CTGTATGAGGTCTCTGTAAAACCCTGTTTCAGAATGGCGCAAACAGTCAAAGTAGAGCAGTCTAATA  
TAGGACAAGGAAATACAGCCCAATCCGCAAGAGGAAATCAACCAATAACCTGCAGCCTACCCAGCTGTA  
TGTGCGGCCTTTCACAAACGTGAGCCTGACAGGACCACCAACGAAAAGTGATTTGGTACGACGGCGAG  
CTGAATGACCCTTGCAGCAGAAATATAAACTGAAAACCTTCTGCAACCAGCAGAATCTGACACTTATTA  
ACGTTACTTCCACATACGACGGCATCTACTACGGAACCGACGAAAAGGACAAAGCCAATAGTACCGGAT  
TAAAGTTAACACAACCAATCACAAAGACGGTAAAGATCAAACCACACGAAAGGAGCCACCGGCTGAGCAG  
AAGAAACAATTCCAATTCAGGTGGCTGAGACCGATCAGAATGAGAGCAAAATCCATCCGCTACAGTCG  
CTATCGTTGTGGGAGTTATCGCAGGATTTGTGACCCTGATCATCGTATTTATATGCTACATTTGTTGTGC  
GAAGCGGCCCGGGCCTACAATTACATGGTCGACCCACTGCTTTCTTTCTCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100170 representing YP\_003038621  
Red=Cloning sites Green=Tags

MEMSRRKNCYKFFFFFYSTMNTLTSVLLSLLVAFSEAGIINLNVSWGINLTLVGPLDLPVTWYDGKGMQ  
 FCDGNTIKNPQIKHSCNQNLTLNADKSHERTYLGYRHDSKGVYKVTVIPPSTTRKPLSQPHYVTV  
 TMNHNMTLVGPLNLPVTWYDGEKNKLCNGEKVEHAEFNHTCNIQNLTLFVNLTHNGAYIGYNKDGSNRE  
 LYEVSVKTLFQNGAKQSKVEQSNIGQGNTAQSARRSTNNLQPTQLYVRPFTNVSLTGPPNGKVIWYDGE  
 LNDPCEQKYKLTFCNQNLTLINVTSTYDGIYYGTDEKDKANRYRIKVNNTTNHKTVKIKPHTKEPPAEQ  
 KKQFQLQVAETDQNESKIPSATVAIVVGVIAGFVTLIIIVFICYICCRKRPRAYNYMVDPLLSFSY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_012959

**ORF Size:** 1245 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\\_003038621](#)

**RefSeq ORF:** 1245 bp

**MW:** 47.0 kDa