

## Product datasheet for **VC100171**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	29.3 kDa protein (NC_012959) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	29.3 kDa protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100171 represents NCBI reference of YP_003038622 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGCGTTTACAGCTTGCCTTATCTCCATCGTGACCCTGTCCCTCAGTCAGATTATTAACGTGA  
ATGTCACAAGAGGCGGATCCATCACACTTAACGGCACCTACAAGAATACTACATGGACCCGGTACCACCT  
GGATAGCTGGAAGAATCTGTGCAAGTGAACATGACGGCCTACAAGTGTACGACAATGGAAGTATTACG  
ATTACCGCAACCGAAAAATCACAAGTGGAAAGTACAAGGCAGAATCCTATAAAAAACGAGATTAAGAAAA  
GTGTGTTCAAGACAAATAAACTACCTTCGAAGACTCAGGCAACTACGAACACCAGAAGATCACCTTTTA  
TCAACTGACCATCATCCAGCTTCCGACCACAAAGGTTCCAACAACGACCGCGAGCACTTACACCACCCAG  
CTTAACACCACAGTGCAGAACAGTACTGTCTGGTGCGGTATCTGCTGAGAGAGGAATCTACCACCCAGC  
AAACAGACGCAACTCTCTGCCTTTTCCAGCACTGCCAACCTCACTTCCTGGCCTGGACCAATGAAAC  
TGGGGTCTCCTCATGCACGGACAGCCATATAGCGGACTGCACATCCAAATTACCTTTTTGGTGATCTGT  
GGAATTTTATCCTGGTAGTGCTGTACTTCGTCTGTTGTAAGCACGAAAGAAATCCCGAAGGCCCA  
TCTATCGGCCAGTGATCGCAATCCGACCGTCCAAGTGAAGGAGGGCTTCGGAACCTGCTGTTTTTC  
CTTTTCTGTCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



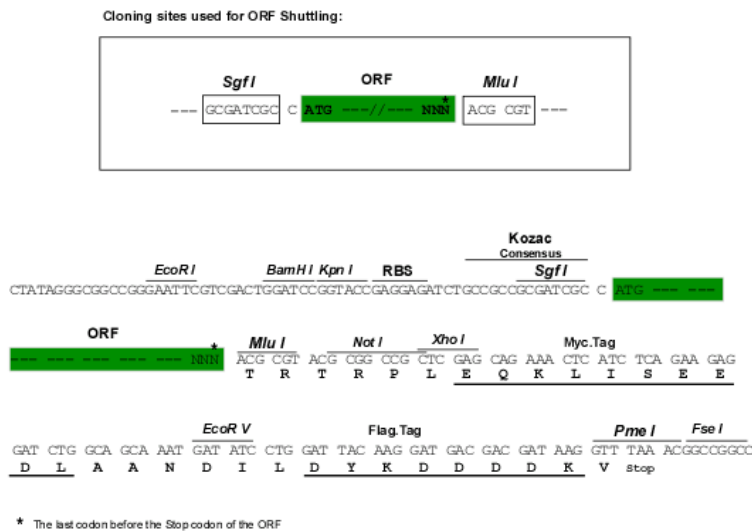
**Protein Sequence:** >VC100171 representing YP\_003038622  
 Red=Cloning sites Green=Tags

MKAFTACVLISIVTL SLSQIINVNVT RGG SITLNGTYKNTTWTRYHLDSWKNLCKWNMTAYKCYDNGSIT  
 ITATGKITS GKYKAESYKNEIKKSVFKTNKTT FEDSGNYEHQKITFYQLTIIQLPTTKVPTTTASTYTTQ  
 LNTTVQNSTVLVRYLLREESTTQQT DATLSAFSSSTANL TSLAWTNETGVLLMHGQPYSGLHIQITFLVIC  
 GIFILVLLLYFVCC KARKKSRRP IYRPVIGNPQPFQVEGLRNL LFSFSVW

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_012959

**ORF Size:** 783 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\\_003038622](#)  
RefSeq ORF: 783 bp  
MW: 29.4 kDa