

## Product datasheet for **VC102087**

### hypothetical protein (NC\_007026) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hypothetical protein (NC_007026) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	hypothetical 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 VC102087 represents NCBI reference of YP\_239360 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGAAGCAGAACGATACCAAGAAACTACTCAGCGCGGAACAGCAAGAAGTATAGCAGCAAGACTAAC  
 GGGCACCAAGCGGGCACCTCGGGATCAGGAAGTCGGCACCGCGCTCAAGAAAGCACCAGAAACGACGT  
 GGCCTGGTATGCACGGTACCCTCACATTCTGGAGGAGGCCACCCGGCTGCCCTTCGCATACCCCATCGGG  
 CAATACTACGACACCGGCTACAGCGTGGCAAGCGCCACCGAGTGGAGCAAGTACGTGGACACAAGCCTGA  
 CCATTCGGGAGTGATGTGCGTCAACTCACCCACACCCGGGAAAGCTATAACAAGAACAGCCCAAT  
 CAACATCGCCGCCAGAAGCTACACCTACGTGCGGCACATGAACAGCGGCCACGCCAACTACGAACAG  
 GCCGACCTCATGATGATCTCCTGGCCATGGATAGCCTGTACATTTCCACAGCTACGTGCGGAAGATCC  
 TGGCTATCAGCAAGCTGTACACTCCCGTGAACAAGTACTCCCTCGGGCACTGCTCGTGGCCCTCGGCGT  
 CGACCCCGAGGACGTGTTTGCAAACCAGGCCAGTGGGAGTACTCGTGAACATGGTCGCCTATCGGGCC  
 GGGGCTTTGCCGCCCTGCTTCCATGACCTACTACGAGCGGCACGCCTGGATGTCCAACGGCCTGTACG  
 TCGACCAGGACGTGACCCGGGCCAGATTTACATGTTCAAGCCCACCATGCTGTGGAAAGTACGAGAACCT  
 CGGCACCACCGGGACCAAGCTGGTCCCCCTGATGATGCCAAAGCCGGCGACAACCGGAAGCTGGTCGAC  
 TTTCAAGTGCTGTTTAAACACCTGGTGAGCACCATGCTGGGGGACGAGGACTTCGGGATCATGTCCGGAG  
 ATGTGTTCAAGGCCTTCGGAGCCGACGGCTCGTGAAGCTCCTGGCCGTCGACAGCACAAACATGACACT  
 GCCACCTACGACCCACTGATCCTGGCAGATCCACTCCGCCGGGCGGTGGCGCCCCCATCCTCGAG  
 ACCTCCACACTGACCGGGTTCCCGGCCGGCAGTGGCAGATCACTCAAACCCCGATGTCAACAACGGCG  
 CCATCATCTTCCACCCAGCTTCGGCTACGACGGGCAGGACCACGAGGAGCTGAGCTTCCGGGCCATGTG  
 CTCCAACATGATCCTCAACCTGCCCGGCCAAGCCATTCCGCGGAGATGATCATCGAGGCCACCCGGCTG  
 GCCACCATGTTCCAGGTGAAGGCCGTGCCCGCTGGAGACACTAGCAAGCCCGTGTCTACCTGCCAACG  
 GGTTTGGCACCAGGTGCTGAACGACTACACAATGATCAGCGTGGACAAGGCCACTCCCCACGACCTCAC  
 TATTCACACCTTCTTCAACAACATCCTGGTGCCCAACGCCAAGGAGAAGTACGTGGCCAACCTGAACTG  
 CTCAACAACATCATCCAGTTCGATTGGGCCCCAGCTGTACCTCACATACGGGATCGCACAGGAGTCT  
 TCGGGCCTTTCGCCAGCTGAACGACTGGACAATCCTGACCGGCAGACCCTGGCCCGATGCACAGGAT  
 CTGCGTCACTCCATGTTTGACGTGCCCAAATGGGCTTAATAAA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102087 representing YP\_239360  
 Red=Cloning sites Green=Tags

MKQNDTKKTTQRRNSKKYSSKTNRGTKRAPRDQEVGTGAQESTRNDVAWYARYPHILEEATRLPFAYPIG  
 QYYDTGYSVASATEWSKYVDTSLTIPGVMCVNFTPTPGESYNKNSPINIAAQNVYTYVRHMNSGHANYEQ  
 ADLMMYLLAMDSL YIFHSYVRKILAI SKLYTPVNKYFPRALLVALGVDPEVDFANQAQWEYFVNMVAYRA  
 GAFAAPASMTYERHAWMSNGLYVDQDVTRAQIYMFKPTMLWKYENLGTGTGKLVPLMMPKAGDNRKLV  
 FQVLFNNLVSTMLGDEDFGIMSGDVFKAFGADGLVKLLAVDSTTMTLPTYDPLILAQIHSARAVGAPILE  
 TSTLTGFPGRQWQITQNPVNNGAIIFHPSFGYDGDHEEL SFRAMCSNMILNLPGEAHS AEMIEATRL  
 ATMFQVKAVPAGDTSKPVLYLPNGFGTEVVNDYTMISVDKATPHDLTIHTFFNNILVPNAKENYVANLEL  
 LNNIIQFDWAPQLYLYTGIAQESFGPFAQLNDWTILTGETLARMHEVCVTSMFVDPQMGFNK

**TR**TRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



ACCN: NC\_007026

ORF Size: 1656 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\\_007026.1, YP\\_239360](#)

RefSeq ORF: 1656 bp

Locus ID: 5075907

MW: 62.0 kDa