

## Product datasheet for **VC100970**

### ORF29 (NC\_001348) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORF29 (NC_001348) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100970 represents NCBI reference of NP_040152 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAATACCCAGAAAACCGTAACAGTGCCAACAGGCCCGCTCGGGTATGTGTACGCCTGCAGAGTGG  
AGGACCTGGACCTTGAAGAAATCAGCTTCTGGCCGCACGAAGTACTGACAGTGACCTCGCATTGCTTCC  
TCTGATGCGCAACCTGACAGTGGAGAAGACCTTTACCTCCTCCCTGGCAGTTGTGAGTGGCCCGGACC  
ACGGGTCTGGCGGGAGCCGGTATTACACTCAAAGTACTGACTACCTCCCATTTCTACCCAAGTGTGTTGTGT  
TCCATGGTGGTAAGCACGTCCTGCCAAGTTCAGCTGCACCAATCTTACACGGGCATGTAACGCAGCAAG  
GGAGCGCTTCGGGTTTTCTCGCTGCCAGGGACCTCCAGTGGATGGTGGCGTGAAACCACAGGCGCAGAG  
ATCTGCACTAGGCTGGGCCTTGAACCTGAAAATACTATCCTTTATTTGGTAGTACTGCCCTGTTCAAGG  
AGGCAGTGTTTCATGTGTAATGTGTTCTGCACTATGGCGGTTGGATATCGTTCACATAAATCATGGCGA  
TGTAATCAGGATTCCTTTGTTTCTGTGCACTTTCATGCCGACGTAATCGGCTCGTCCCGATCCC  
TTCAACACGCACCACCGTCCATTGGGGAGGGTTTGTCTACCCGACACCGTTCTATAATACCGGGCTGT  
GTCACCTCATCCAGATTGCGTAATCGCCCCATGGCCGTGGCTCTGCGAGTAAGAAATGTCACGGCTGT  
CGCACGCGGGGACGCTCATCTCGCCTTCGACGAGAACCACGAGGGCGCTGTGCTTCCGCCGACATAACG  
TACACCTACTTTTCAAGTCAAGCTCCGGGACTACTACCGCAAGAGGAGCCCGCGGAATGATGTGAATT  
CCACTTCAAAGCCATCCCCTTCAGGCGGCTTCAAGCAGGCTGGCGTCCATCATGGCAGCCGACTGCG  
CCTGACGCGCGAGGTGATCTTCAACTGGAATATATGAAGAGACACCTACTGACATTAAGGAGTGGCCT  
ATGTTTCATCGGCATGGAAGGTAATCTCCCCGATTGAATGCACTTGGTCTTATACCGCACGAGTCGCTG  
GGTGATCGGGGCCATGGTGTAGCCAAATTCGCCCTGTACCTTACAGAAGTGGAGGATCCGGGAT  
GACCGAAGCCAAAGACGGGGGGCCAGGCCCATCCTTTAATCGGTTTTATCAGTTCGCAGGACCTCATCTG  
GCAGCCAATCCACAGACAGACCGCGACGGACACGTCCTGTCTTCCCAAAGTACTGGCTCTTCCAATACCG  
AGTTCAGTGTGGACTACCTCGCCCTTATTTGCGGATTTGGAGCACCCTCCTTGTAGACTGCTGTTTTTA  
TCTGAAAAGGTGCGACGCGCGCTTCACTGGTGGACACGGCGACGCGTGAAGTACGTGACTGGCACC  
TTTGACAGCGAGATCCCTTGTCTGTGTGAAAAGCACACCCGACCTGTGTGTGCCATACCACCGTCC



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ATCGGCTGAGACAAAGAATGCCCGGTTTGGCCAAGCCACCCGCCAACCCATTGGTGTGTTCTGGGACCAT  
GAATAGTCAACTACTCTGACTGTGATCCCTTGGGAACTACGCCCTTACCTCATCTCGGGAAGCCGGG  
GACCAGACTGAAGCCGCCAAGGCAACGATGCAAGATACCTATAGGGCCACACTCGAGAGGTTGTTTATAG  
ACCTCGAACAGGAACGATTGCTCGACAGGGGGCACCTTGGCTCAAGCGAGGGCTTGTCAAGCGTAATTGT  
GGATCACCTACGTTTAGAAGGATTTGGATACACTCAGGGCCAGGATTGAGCAGACAACAACACAGTTT  
ATGAAAGTGCTCGTCAAACCAGAGATTACAAGATTCGGGAGGGACTGTCCGAGGCGACCCACAGCATGG  
CTTTGACTTTGACCCATACTCCGGGGCCTTCTGCCAATTACTAATTTTCTCGTGAAAAGGACTCACCT  
TGCTGTGGTGCAGGATCTGGCACTCAGCCAGTGTCACTGCGTTTTCTACGGGCAGCAGGTGGAAGTTCGC  
AACTTTAGGAACCAAGTTCAGCCGTTCTGCGGCGCAGGTTCTGAGACCTGTTTAAATGGTGGCTTTATTA  
GCACCAGATCAATCACTGTGACCCTTAGTGAGGGGCCAGTTAGTGCCCCAAATCCCACCCTGGGTGAGGA  
CGCTCCGGCCGGCCGACGTTTCGACGGTGACCTTGGCTCGGGTCTCAGTGGAGGTCATCAGGGACATTAGA  
GTTAAGAACAGAGTCGTCTTAGCGGGAATTGCACAAATCTTTCAGAGGCGGCCCGGGCTCGCTCGTGG  
GGCTTGTCTCGCTACAGCGGCAAGAGAAGAGAGTAGATATGCTTCATGGAGCCCTGGGGTTTCTCT  
GAAACAGTTCACGGCCTGCTCTTCCAGGGGAATGCCCGCAATAGCAAATCACCTAATCCCCAGTGG  
TTTTGGACGCTGCTCCAGCGGAATCAAATGCCCGCGACAAGCTTACACATGAGGAGATTACCACTATCG  
CTGCCGTTAAACGGTTCACAGAAGAGTAGCCGCCATAAATTTTCTAATCTCCACCGACTTGTATTGG  
AGAGTTGGCACAGTTCTACATGGCCAATCTCATTCTCAAATACTGCGACCATTACAGTACCTGATTAAT  
ACCCTGACATCCATCATCACAGGGGCACGGCGCCTCGCGATCCTAGCTCAGTATTGATTGGATTTCGCA  
AAGACGTTACAAGTGCCGCCGACATCGAAACTCAAGCTAAAGCCCTGCTGGAGAAAACAGAAAACCTGCC  
AGAAGTGTGGACCACTGCGTTCACCTCTACTCACCTCGTGAGAGCAGCTATGAATCAAAGACCCATGGTT  
GTCCTTGGGATCAGCATCTCTAAATATCACGGCGCAGCCGGCAATAACAGGGTATTTAGGCCGGCAACT  
GGTCCGGGCTCAACGGAGGCAAAAACGTGTGTCCCTGTTTACCTTCGACCGCACAGGCGATTTCATCAT  
TGCATGCCCGCGGGAGGGTTTATCTGTCCAGTCACTGGTCCATCTTCTGGAAAATAGAGAGACAACATTG  
TCCGATCAGGTGAGGGGATCATCGTTAGCGGGCGGCAATGGTTCAGTTGGCCATCTATGCAACCGTGG  
TTCCGGCCGTTGGAGCTCGGGCTCAGCATATGGCATTGATGACTGGCTGTCCCTGACAGACGACGAGTT  
CCTGGCAAGAGACCTGGAGGAACTTACGACCAGATTATTCAAACCTTGGAAACACCTTGGACGGTTCGAG  
GGCGCCCTGGAAGCCGTGAAGATACTCGATGAAAAGACAACGGCTGGTATGGCGAGACCCCGACAAATC  
TGGCGTTAACTTTGATTCTTGTGAACCATCACATGATACTACATCCAATGTGCTGAACATTTAGGCAG  
TAACATTAGCGGCTCCACAGTCCCGGCTTAAAAGACCCCGAAGATGATGAACCTTTCGACCTGTCT  
GGGATTCCTATCAAACACGGCAACATACAATGGAGATGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>OTI Disclaimer:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NC_001348.1</a> , <a href="#">NP_040152</a>
<b>RefSeq ORF:</b>	3612 bp
<b>Locus ID:</b>	1487713
<b>UniProt ID:</b>	<a href="#">P09310</a>
<b>MW:</b>	132.1 kDa