

Product datasheet for **VC101010**

ORF64 (NC_001348) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ORF64 (NC_001348) Virus Tagged ORF Clone
Tag: Myc-DDK
Symbol: ORF64
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >The Viral ORF clone VC101010 represents NCBI reference of NP_040191 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATTTGTGCGGCTCTCGCGGCGAGCACCCCGGGGGGAGTACGCTGGCCTCTACTGCACCAGACATG
 ACACCCAGCGCATCAGGCCCTCATGAACGACGCGGAGCGATATTCGCTGCAGCCCTCTGTGCCATCTC
 AACTGAAGCCTACGAAGCATTATCCACTCACCTCCGAGCGCCCTTGGCGATCACTTTGGGGCGCGCT
 AAAGCGCCTTTGGAGCGATGTGTGGGAGCTTGCAGCTGATCGGCGAGCGCCCTCTGTGCCCCAA
 TCAGAAGAGCAGTATTGAGTCTTCTCCGGGAGCAATGCATGCCTGACCCTCAGTCCCATCTGAATTGTC
 AGAACGACTGATACTCATGGCTTACTGGTGTGTCTGGGACACGCTGGCCTTCTACCATTGGGTTGCT
 CCTGACAATAAATGTATACGCGCCGAGCTCTACGACAGACCCGGAGGAATCTGCCACCGCCTGTTTGACG
 CCTACTTGGGATGCGGATCTCTCGGCGTGCCAAGGACCTACGAGCGATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101010 representing NP_040191
 Red=Cloning sites Green=Tags

MNLGSRGHEHPGGEYAGLYCTRHDTPAHQALMND AERYFAAALCAISTEAYEAFIHSPSERPCASLWGRA
 KDAFGRMCGELAADRQRPPSVPIRRAVLSLLREQMPDPQSHLEL SERLILMAYWCCLGHAGLPTIGLS
 PDNKCIRAELYDRPGGICHRLFDAYLGGSLGVPRTYERS

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NC_001348

ORF Size: 540 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_001348.1](#), [NP_040191](#)

RefSeq ORF: 540 bp

Locus ID: 1487710

UniProt ID: [P09310](#)

MW: 19.9 kDa