

Product datasheet for **VC101988**

hypothetical protein (NC_001458) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hypothetical protein (NC_001458) 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)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101988 represents NCBI reference of NP_040899 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGCTTGAACAATCGCCTGGACTGGTTGCAGGAACAGCTGCTGACCCTCTACGAGAAGGATTCAA
AAGATATCGAAGATCAGATCATGCAGTGGAACTGCTTAGGCAAGAGCAAGTCCTTCCATTACGCCCC
AAAAAAGGAATAATGAGGCTCGGTTTCAAGTGGTTCCAAGCTTGGCCGCAAGTCAGGACAAAGCAAAG
ACTGCCATTGAGATGACCCTGTATCTGTCTGGCCTCAGGATCCCAAGTATGGGTCTGAGCAGTGGTCTT
TGCAGGACACATCTCGCGAGATCTTCTGGCACCGCCAGATCACACCTTTAAAAAAGGCGGACAGACCAT
AGAGGTCAATTTATGACGAGGATCCGAACAACCTCTACTAGACATACAGTGTGGAGGCATATCTACTACCAG
AACGGCGACAACCGGTGGCGCAAAGCTGCATCTGATGTTGACGTTACGGCGTTTTTTACTTGGAATACG
ATGGGGTGAAAAATTATTACGTGGATTTCCAGGAGGAGGCCAACCGGTATAGCAAGACCGGGAGATACAC
CGTACAGTACGAGGGCAAGAGATTTACAAATGTGATGAGTCCAGTAAACTCTAGTCCCCTTCGGACCAGC
GGAAGCCCTACTGATACAAATCCCGCCACACAAGGGCAGTCAACACAGACCGCCCGCAAGGCTGAAACAA
AAGGCTCCAGACACCACCAAAGTCACCTGCCGTTTCGAAACGCCGACCATACGGACGGCGCAGATCTCG
AAGCCCCCGGATACCACTCTTAGCGCGGCGAAGGAGAGTCCGCCCGGCAAGCGCGGTTTCAGGGGAA
AGAGTCGCCTTTATCTCTCCTGGAGACGTTGGGACGAGCAAGGAGTCCGCCTAAAGGAGGGCAGTCTC
GACTGCGCCGTTGATTAGGAAGCCAGAGACCCCTATCATCTGTTTGAAGGTTGGCCCTAACACGCT
GAAGTGCCTGCGGTACAGGATCAAGGCCTCCAATTCTAGCGATTTGCAATCCATTCTACCACCTGGCAC
TGGGTGCAACAATAAGTGCACAGATCGAGTGGGACACGCCCGGATGCTTGTGAGATTATCTCTACCGAGC
AGAGGGATCGCTTCTTGATAAGGTGTTGTGCCAAAGAGCGTGAGCGTGATTCTCGGAGCCTTTGACGG
CAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101988 representing NP_040899
Red=Cloning sites Green=Tags

MESLNNRLDWLQEQLL TLYEKDSKDIEDQIMQWNLLRQEQLV FHYARKKGIMRLGLQVVP SLAASQDKAK
 TAIEMTL YL SGLRDSQYGEQW SLQDTSREIFL APPDHTFKKGGQ TIEVIYDEDPNNSTRHTVWRHIYYQ
 NGDNRWRKAASDV DVHGVFYLEYDGVKNYYVDFQEEANRYSKTGRYTVQYEGKRF TNVMSPVNSSPLR TS
 GSPTDTNPATQGGSTQTARKAETKGSRHHPKSPAVRKR RPYGRRRSRSPRD TLLRRGEGESARASAGSGE
 RVAFISP GDVGTSTRSP PKGGQSRLRRLIQEARD PPIICLKGGPNQLKCLRYRIKASNSSDFESISTTWH
 WYHNKCTDRVGHARMLVRFISTEQDRFLDKVVV PKSVSVILGAFDGS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001458

ORF Size: 1194 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_001458.1](#), [NP_040899](#)

RefSeq ORF: 1194 bp

Locus ID: 1494571

MW: 45.4 kDa