

Product datasheet for **VC102062**

fusion protein (NC_001796) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	fusion protein (NC_001796) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	fusion 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 VC102062 represents NCBI reference of NP_067151 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACAAGCACACTGCTGATCATCAGACTATCATCATGGCGTCATTTTGCCAGATCGACATACCA
 AACTGCAACACGTAGGAGTTCTGGTCAACTCCCCAAAAGGAATGAAAATCAGCCAGAATTTTGAAACAG
 ATATTTGATCCTGTCCTGATCCCTAAGATTGAGGATTCCAACCTCTGTGGAGATCAGCAAATCAAGCAG
 TACAAGAGACTTCTGGACCGGCTGATCATTCTTTGTACGACGGACTCCGGCTCCAGAAGGACGTGATAG
 TGACCAACCAAGAATCTAATGAGAACACCAATCCAAGGACAAAACGATTCTTTGGCGGCTTATTGGGAC
 CATTGCCCTGGGTGTGGCTACCAGTGCAGATAACTGCAGCTGTTGCCCTGGTCGAGGCCAAACAGGCC
 CGGTCTGACATCGAAAAGCTTAAGGAGGCTATTCGCGACACAAAACAGGCCGTCCAGAGCGTTCACTCA
 GCATCGGGAACCTGATCGTCGCGATAAAGTCCGTTCAAGATTACGTGAACAAGGAGATTGTACCATCCAT
 CGCTCGATTGGGATGCGAGGCCGCGGGACTCCAACCTGGGATTGCTTTGACCCAGCATTACTCCGAGCTC
 ACTAACATCTTCGGCGACAACATCGGTTCTCTCAGGAGAAGGGTATTAACCTGCAGGGGATAGCCAGTT
 TGTACCGAACCAATAACTGAGATCTTACGACCTCAACAGTGGACAAGTACGATATCTATGATCTGCT
 TTTCACTGAGAGCATCAAAGTGCAGTTATCGACGTGGACCTCAACGATTACAGTATTACATTGCAGGTC
 AGACTGCCTCTTCTTACCAGGCTGCTGAATACCCAGATTTACAAAGTGGACAGTATTTATATAACATAC
 ATAATCGCGAGTGGTATATCCCCCTTCCAGTCATATAATGACAAAGGGAGCCTTCTCGCGCGGCCGA
 TGTCAAAGAATGCATCGAGGCCCTCAGCAGCTACATCTGCCAAGTGACCCTGGCTTTGTATTGAACCAC
 GAGATGGAGTCTTGCTGAGCGGGAATATCTCACAGTGCCACAGCACAACGATCACTAGCGACATCGTGC
 CCAGATACGCCTTTGTGAACGGAGGAGTGGTTGCCAATTGTATCACCACGACTTGACCTGTAATGGCAT
 CGGCAACAGAATCAACCAACCACCAATCAGGGGGTAAAATCATTACCCATAAGGAGTGTTCACCATT
 GGGATCAACGGAATGCTTTTAAACCAATAAAGAGGGGACGCTCGCCTTCTATACACCCGATGATATCA
 CTTTGAACAATTCAGTGGCGCTGGATCCTATCGACATTAGCATCGAGCTGAACAAAGCCAAGTCTGACCT
 GGAAGAGAGCAAAGAATGGATTCGCAAAAGCAATCAGAAATTGGATTCTATAGGGAAGTGGCATCAGTCT
 AGTACAACCATTATCATAACTCATGATGATAATTATCTGTTTATTATCAATCACTATTATTACGA
 TTGCTATTAATACTACAGAATCCAGAAACGGAATCAGATGGACCAGAACGATAAGCCATACGTCCTGAC
 AAATAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102062 representing NP_067151
 Red=Cloning sites Green=Tags

MPTSTLLIITTIIMASFCQIDITKLQHVGLVNSPKGMKISQNFETRYLILSLIPKIEDSNSCGDQQIKQ
 YKRLLDRLIIPLYDGLRLQKDVIVTNQESNENTNPRTRKFFGGVIGTIALGVATSAQITAAVALVEAKQA
 RSDIEKLEAIRDTNKAVQSVQSSIGNLIVAIVKSVQDYVNKEIVPSIARLGCEAAGLQLGIALTQHYSSEL
 TNIFGDNIGSLQEKIKLQGIASLYRTNITEIFTTSTVDKYDIYDLLFTESIKVRVIDVDLNDYSITLQV
 RLPLLTRLLNTQIYKVDISYNIHNREWIPLPSHIMTKGAFLGGADVKECIEAFSSYICPSDPGFVLNH
 EMESCLSGNISQCPRTTITSDIVPRYAFVNGGVVANCITTTCTCNGIGNRINQPPNQGVKIIITHKECSTI
 GINGMLFNTNKEGTLAFYTPDDITLNNVALDPIDISIELNKAKSDLEESKEWIRKSNQKLDISGNWHQS
 STTIIILMMIILFIINITIIITIAIKYYRIQKRQMDQNDKPYVLTNK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_001796

ORF Size: 1617 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_001796.2](#), [NP_067151](#)

RefSeq ORF: 1617 bp

Locus ID: 911957

MW: 60.0 kDa