

Product datasheet for **VC101756**

F (NC_004148) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	F (NC_004148) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	F 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 VC101756 represents NCBI reference of YP_012608 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGCTGGAAGGTGGTCATCATTTTTAGTCTGCTGATACCCCCACAGCACGGACTGAAAGAATCATATC
TGGAGGAAAGCTGCTCAACCATTACAGAAGGATACCTCTCCGTCTTGAGAACAGGCTGGTAACTAACGT
GTTACGCTGGAGGTTGGCGATGTTGAGAACCTGACATGTAGCGATGGGCCAAGTCTGATTAAGACAGAA
TTGGACTTGACAAAGTCAGCTCTCAGGGAGCTGAAAAGTGTATCAGCGGATCAACTGGCGAGAGAAGAGC
AGATTGAGAATCCCCGGCAGTCTCGATTTGACTTGGGGCTATCGCATTGGGGTGGCCACCGCAGCCGC
GGTAACCGCGGGGTAGCCATAGCGAAGACCATACGCCTTGAGTCCGAGGTTACCGCTATAAAAACGCC
CTGAAAACAACCTAATGAAGCCGCTCAACCCTGGGAAACGGCGTCCGGGTGCTGGCAACAGCCGTGAGAG
AACTTAAGGACTTTGTATCTAAAACTGACACGCGCTATCAACAAGAATAAATGCGATATTGATGACCT
TAAGATGGCAGTTAGCTTTTCTCAGTTTAAATCGGAGATTCCTCAACGTTGTTCCGCCAGTTCTCAGACAAC
GCCGGGATCACACCAGCCATCAGCCTCGACTTGATGACAGACGCGGAACTTGCCCGGGCTGTGAGTAATA
TGCCAACATCAGCGGGTCAGATAAAGCTCATGCTTGAGAAATCGGGCAATGGTGCGCAGAAAGGGATTCCG
GATCCTTATTGGGGTGTACGGGAGTTCTGTCAATTTACATGGTACAGCTCCCCATTTTGGCGTGATTGAT
ACTCCCTGCTGGATTGTAAGGCTGCACCTTCTGCAGCGGCAAAAAGGGTAACTACGCCTGCTTGCTTA
GAGAGGATCAAGGATGGTACTGCCAGAACGCCGATCTACTGTATATTATCCTAACGAGAAGGACTGCGA
AACTAGAGGAGACCATGTGTTCTGTGATACCGCTGCCGGCATCAATGTGGCCGAACAGTCAAAGAGTGT
AACATAAACATCTCTACTACGAATTATCCCTGTAAGGTCTCCACAGGGCGCCACCTATTAGCATGGTGG
CGTTGTCCCCCTCGGAGCCCTGGTTGCCTGTTACAAGGGAGTTTCTTGTCTATAGGCTCCAATCGAGT
GGGTATAATTAAGCAGCTGAATAAGGGGTGCTCCTATATTACCAACCAAGATGCTGACACCGTGACGATC
GATAACACCGTGTATCAGCTCAGTAAGGTGGAAGGCGAACAGCACGTTATCAAAGGCCGGCCAGTGAGCT
CCTCTTTCGATCCAATTAATCCCTGAGGATCAGTTCAACGTGGCTCTTGACCAAGTATTCGAGAATAT
AGAGAATTCACAAGCCCTGGTGGATCAAAGTAACCGCATTCTTAGCAGCGCCGAGAAGGGTAAACCCGGG
TTTATCATCGTTATTATTTGATCGCAGTACTTGGCAGTAGCATGATCCTCGTGCAATCTTTATTATCA
TCAAGAAAACAAAAACCAACTGGAGCCCCACCGAACTGTCCGGCGTGACTAACAAATGGTTTCATCCC
TCATAGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101756 representing YP_012608

Red=Cloning sites Green=Tags

MSWKVVIIFSLIIPQHGLKESYLEESCSTITEGYLSVLRTGWYTNVFTLEVGDVENLTCSDGPSLIKTE
LDLTKSALRELKTVSADQLAREEQIENPRQSRFVLGAIALGVATAAAVTAGVAIAKTIRLESEVTAIKNA
LKTTNEAVSTLNGVVRVLA VRELKDFVSKNLTRAINKNKCDIDDLKMAVSFSQFNRRFLNVVRQFSDN
AGITPAISLDLMTDAELARAVSNMPTSAGQIKLMLNRAMVRRKGFILIGVYGVSSVIYMQLPFIVGVID
TPCWIVKAAPSCSGKKGNYAACLREDQGWYCNAGSTVYYPNEKDCETRGDHFVCDTAAGINVAEQSKEC
NINISTTNYPCVSTGRHPI SMVALSPLGALVACYKGVSCSIGSNRVGIKQLNKGCSYITNQDADTVTI
DNTVYQLSKVEGEQHVIVKGRPVSSSFDPIKFPEDQFNVALDQVFENIENSQALVDQSNRILSSAEKNGTG
FIIVIIILIAVLGSSMILVSIFIIKKTKKPTGAPPEL SGVTNNGFIPHS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_004148

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_004148.2, YP_012608](#)
RefSeq ORF: 1617 bp

Locus ID: 2799939

MW: 58.5 kDa