

Product datasheet for VC102100

G (NC_001781) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	G (NC_001781) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	G Protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>VC102100 representing NP_056862, codon optimized . Due to the complexity of NP_056862, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTAAACATAAAAAACCAGAGAACGGCCAGGACCCTGGAGAAAACCTGGGATACCTGAACCACCTG
ATCGTGATTAGCTCCTGCTTGTATCGGCTCAACCTGAAAAGCATTGCCAGATAGCCCTCAGCGTACTT
GCAATGATCATCTCAACATCATTGATTATTGCCGCTATTATCTTTATCATTTCAGCGAATCATAAGGTG
ACCTTGACAACGGTCACTGTACAGACCATTAAGAACCACACAGAAAAGAATATTACTACTTACCTGACG
CAGGTTCCCCCGAACGAGTATCTTCATCTAAGCAGCCTACTACAACAAGTCCCATCCACACAAATTCT
GCCACAACATCTCCGAACACAAAGTCTGAGACACACCATACGACCGCCAAACCAAGGCAGAACACC
ACTAGTACTCAGACCAATAAGCCATCTACAAAGCCAGACTGAAAAACCTCCAAAAAACCGAAGGAC
GATTATCATTTTCGAGGTGTTCAATTTTCGTGCCATGCAGCATTGCGGCAATAACCAAGTTGTGAAGAGC
ATTTGTAAGACAATTCATCAAACAAGCCAAAGAAGAAACCCACCATCAAGCCTACCAATAAACCCACT
ACAAAAACCACAAACAACGCGATCCAAAGACCCTGCAAAGACGACCAAGAAGGAGACCACCACCAAC
CCGACTAAGAAGCCTACTTTGACCACTACCGAACGAGATACCTCTACCAGCCAGTCTACCGTTCTGGAT
ACGACAACCCTGGAACACACCATACAACAGCAGTCTCTCCATTCCACCACCCCTGAGAATACACCAAAAT
TCAACTCAAACCCCAACCGCCTCTGAACCGAGTACGTCTAACTCCACTCAGAATACACAAAGTCATGCT
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



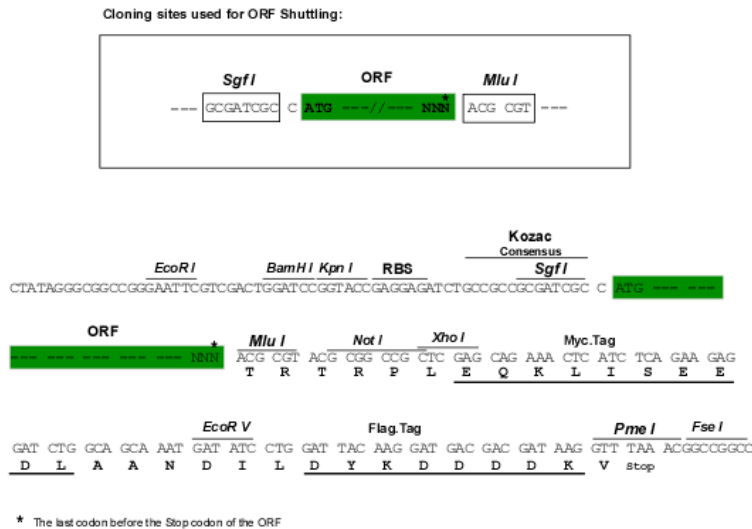
[View online »](#)

Protein Sequence: >VC102100 representing NP_056862
 Blue=ORF Red=Cloning site Green=Tag(s)

MSKHKNQRTARTLEKTWDTLNLHIVISSCLYRLNLKSIAQIALSVLAMIISTSLIIAAIIFIISANHKV
 TLTTVTVQTIKNHTEKNITTYL TQVPPERVSSSKQPTTTSPIHTNSATTSPTNKSETHHTTAQTKGRRT
 TSTQTNKPKPRLKNPPKPKDDYHFEVFNFPVPCISCGNQLCKSICKTIPSNKPKKPTIKPTNKPT
 TKTTNKRDPKTPAKTTKKETTNTKPKPLTITTTTERDSTSQSTVLDTTTLEHTIQQQLSHSTTPENTP
 STQTPASEPSTSNSTQNTQSHA
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001781

ORF Size: 897 bp

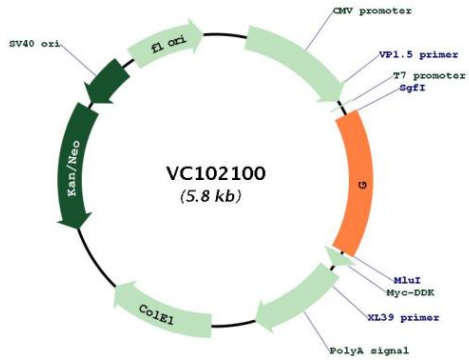
OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence 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: NP_056862
 RefSeq ORF: 897 bp
 Locus ID: 1489824
 MW: 33 kDa

Product images:



Circular map for VC102100