

## Product datasheet for VC101722

### nef (NC\_001802) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	nef (NC_001802) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	nef
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101722 represents NCBI reference of NP_057857 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGGTGGCAAGTGGTCCAAATCTTCTGTGATCGGATGGCCACTGTGCGAGAGCGGATGCGACGGGCCG  
AACCTGCAGCGGACAGAGTGGGCGCGCCAGCCGCGACCTGGAGAAACATGGCGCAATCACCTCCAGCAA  
CACAGCAGCCACGAACGCAGCCTGTGCCTGGCTTGAGGCTCAAGAAGAGGAGGAGGTGGGTTTCCCGTC  
ACCCCGCAAGTACCTTTGAGGCCATGACCTATAAGGCCCGCTGGATCTGAGCCATTTCTGAAAGAGA  
AAGGTGGATTGGAGGGGTTGATCCATAGTCAAAGGAGACAGGACATCCTGGACTTGTGGATTTATCATA  
GCAGGGCTATTTCCCGATTGGCAGAACTATACTCCTGGACCGGGCGTGCCTACCTCTGACTTTTGGC  
TGGTGCTACAAGCTGGTCCAGTCGAGCCCGACAAAATTGAAGAGGCAAATAAGGGCGAGAACACCTCAC  
TTCTGCACCCTGTGTCCCTCCACGGCATGGATGACCCTGAGCGAGAAGTCTGGAGTGGCGGTTTGATAG  
TCGTTGGCCTTCCATCATGTAGCCAGGGAGCTGCACCCAGAATATTTCAAGAATTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC101722 representing NP_057857 Red=Cloning sites Green=Tags
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MGGKWSKSSVIGWPTVRERMRAEPAADRVGAASRDLEKHGAISSNTAATNAACAWLEAQEEEEVGFV  
TPQVPLRPMTYKAAVDLSHFLKEKGGLEGLIHSQRRQDILDWIYHTQGYFPDWQNYTPGPGVRYPLTFG  
WCYKLVPEPDKIEEANKGENTSLLLHPVSLHGMDDPEREVLEWRFD SRLAFHHVARELHPEYFKNC

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

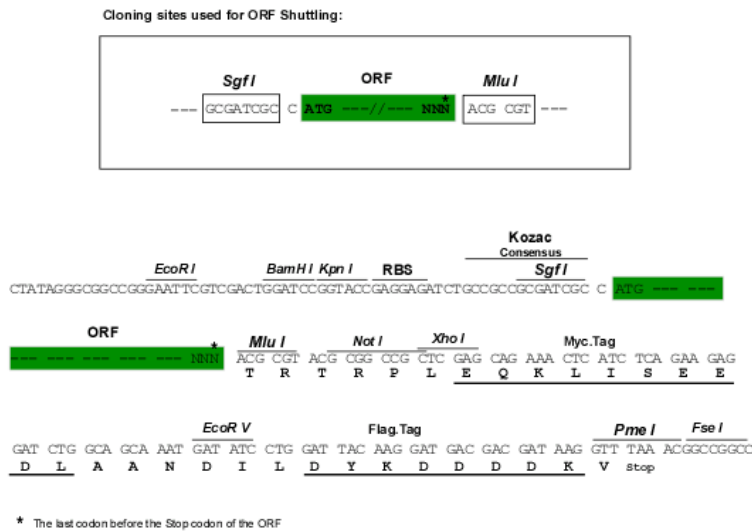


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Chromatograms: [https://cdn.origene.com/chromatograms/mk8100\\_a07.zip](https://cdn.origene.com/chromatograms/mk8100_a07.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC\_001802

ORF Size: 618 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\\_001802.1, NP\\_057857](#)

RefSeq ORF: 618 bp

Locus ID: 156110

UniProt ID: [P04585](#)

MW: 23.5 kDa