

Product datasheet for **VC101088**

BARF1 (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BARF1 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BARF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101088 represents NCBI reference of YP_001129512 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGATTCATAGCCCAATTGTTGCTGCTGGCGAGCTGCGTGGCAGCCGGCCAGGCAGTCACCGCAT
TTCTGGGGGAGAGGGTGACCCTGACCTCTACTGGAGGCGGTCAGCCTGGGTCCCGAAATAGAGGTAAG
TTGGTTCAAGTTGGGTCCCGGGGAAGAGCAGGTGCTGATTGGCAGAATGCATCATGACGTCATTTTTATC
GAATGGCCTTTCCGGGGATTCTTCGACATTCACAGGTCAGCAAATACATTTTTCTGGTCGTCACCGCTG
CTAACATCTCCCATGATGAAACTACTTGTGTAGAATGAAACTGGGAGAGACTGAAGTTACTAAACAGGA
GCATCTTAGTGTGTGAAGCCTCTCACACTTAGTGTCCACTCCGAGAGATCCAGTTCGCCGACTTTAGC
GTGTTGACAGTTACGTGTACCGTCAATGCCTTCTCATCCACAGTCCAGTGGCTCATGCCTGAGGGGG
TAGAGCCTGCCCTACAGCTGCAAACGGCGGGGTATGAAGGAGAAAGACGGATCTCTGAGTGTGGCCGT
TGACCTGTCCCTGCCTAAACCATGGCATCTGCCTGTGACGTGCGTAGGTAACGACAAGGAAGAAGCA
CACGGCGTTTATGTCAGCGGCTACCTGAGCCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101088 representing YP_001129512
 Red=Cloning sites Green=Tags

MARFIAQLLLLASCVAAGQAVTAF LGERVLTLSYWRVSLGPEIEVSWFKLGPGEQVLIGRMHHDVIFI
 EWPFRRGFDFIHRSA NTF FLVVTAAANISHDGNLCRMKLGETEVTKQEHL SVVKPLT LSVHSERSQFPDFS
 VLTVTCTVNAFPHPHVQWLMP EGV E PAPTAA NGGVMKEKD GSL SVAVDLSL PKPWHL PVTCV GKNDKEEA
 HGVYVSGYLSQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009334

ORF Size: 663 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_009334.1, YP_001129512
RefSeq ORF: 663 bp
Locus ID: 5176183
MW: 24.5 kDa