

Product datasheet for **RC215000**

BATF3 (NM_018664) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BATF3 (NM_018664) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BATF3
Synonyms: JDP1; JUNDM1; SNFT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC215000 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGAAGGGCTCCCGCCGCCGGCAGCGTCCTGCAGAGGAGCGTCGCGGCCCGGGAACCGCCG
 AGCCGAGCCGAGCAGCAGAGCCCTGAGGATGATGACAGGAAGGTCCGAAGGAGAGAAAAACCGAGT
 TGCTGCTCAGAGAAGTCGGAAGAAGCAGACCCAGAAGGCTGACAAGCTCCATGAGGAATATGAGAGCCTG
 GAGCAAGAAAACACCATGCTGCGGAGAGAGATCGGAAGCTGACAGAGGAGCTGAAGCACCTGACAGAGG
 CACTGAAGGAGCACGAGAAGATGTCCCGCTGCTGCTGCCCTATGAACTTTGTGCCAGTGCCTCCCG
 GCCGGACCCTGTGGCCGGCTGCTTGCCCGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215000 protein sequence
 Red=Cloning site Green=Tags(s)
 MSQGLPAAGSVLQRSVAAPGNQPQPQQSPEDDDRKVRREKNRVAQRSRKKQTQKADKLHEEYESL
 EQENTMLRREIGKLTEELKHLTEALKEHEKMCPLLLCPMNFVPVPPRDPVAGCLPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6464_b05.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:

ACCN:

NM_018664

ORF Size:

381 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_018664.3](#)

RefSeq Size: 992 bp

RefSeq ORF: 384 bp

Locus ID: 55509

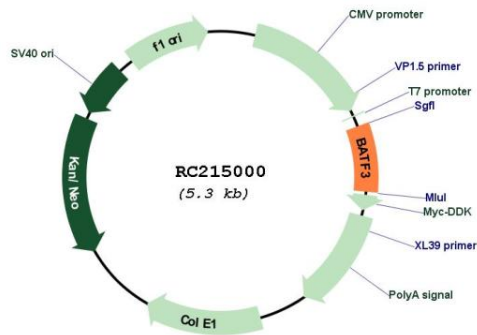
UniProt ID: [Q9NR55](#)

Cytogenetics: 1q32.3

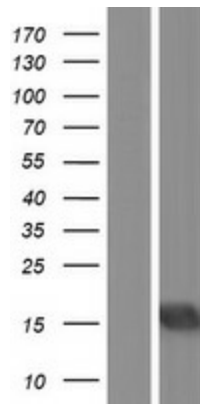
MW: 14.5 kDa

Gene Summary: This gene encodes a member of the basic leucine zipper protein family. The encoded protein functions as a transcriptional repressor when heterodimerizing with JUN. The protein may play a role in repression of interleukin-2 and matrix metalloproteinase-1 transcription. [provided by RefSeq, Feb 2009]

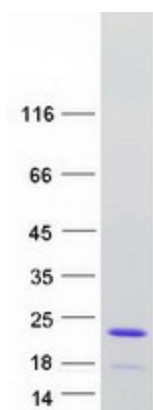
Product images:



Circular map for RC215000



Western blot validation of overexpression lysate (Cat# [LY412970]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215000 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BATF3 protein (Cat# [TP315000]). The protein was produced from HEK293T cells transfected with BATF3 cDNA clone (Cat# RC215000) using MegaTran 2.0 (Cat# [TT210002]).