

Product datasheet for **RC236410**

BATF2 (NM_001300808) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BATF2 (NM_001300808) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BATF2
Synonyms: SARI
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236410 representing NM_001300808
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATTGTCCTCTGCTCAGCTCCAGGGCTCCTGGGCTGCTGGGACCAGGCTGAGGGGCTCCTGGGCC
CTGGCCACAGGGACAACATGGCTGCCGGGAGCAGCTGGAGCTGTTCCAGACCCCGGTTCTGTTACCC
AGCTCAGCCGCTCTCTCCAGGTCCACAGCCTCATGATTCTCCAGCCTCCTCCAGTGCCCTCGCCCTCA
CTGTCCCTTGGCCCGCTGTGGTTGCTGAACCTCCTGTCCAGCTGTCCCCAGCCCTCTCCTGTTTGCT
CGCACACTGGTTCAGCCTGCAGGGGTCTTCTCTAAGCTCAGTGCCCTCCAGCCAGCCTCACGGCCCA
AACTGCCCTCCACAGCCCTCGAGCTGGAGCATCCCACAGAGGGAAGCTGGGGTCTCTCCGACAAC
CCTTCTCTGCCCTGGGCTTGCAGTCTGCAGAGCAGGGAGCACAACTGCTCTCTCAGCAGCCACTT
GGCAAGGCTGGTTGTGGATCCCAGCCCTACCCTCTCTGGCCTTCTCTGCTCTCTCTGCTCAAGT
CCACTT

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236410 representing NM_001300808
Red=Cloning site Green=Tags(s)

MDCASCSAPGLLGCDWAEGLLGPGPQGQHGCREQLELFTPGSCYPAQPLSPGPQPHDPSLLQCPLPS
LSLGPVVAEPPVQLSPSPLLFASHTGSSLQGSSKLSALQPSLTAQTAPPQPLELEHPTRGKLGSSPDN
PSSALGLARLQSREHKPALSAATWQGLVVDPSHPPLAFPLLSAQVHF

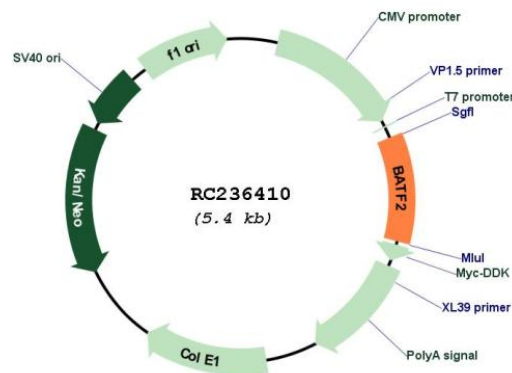
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001300808

ORF Size: 567 bp

OTI Disclaimer: 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_001300808.1](#), [NP_001287737.1](#)

RefSeq Size: 1955 bp

RefSeq ORF: 570 bp

Locus ID: 116071

UniProt ID: [Q8N1L9](#)

Cytogenetics: 11q13.1

Protein Families: Transcription Factors

MW: 20 kDa

Gene Summary: AP-1 family transcription factor that controls the differentiation of lineage-specific cells in the immune system. Following infection, participates in the differentiation of CD8(+) thymic conventional dendritic cells in the immune system. Acts via the formation of a heterodimer with JUN family proteins that recognizes and binds DNA sequence 5'-TGA[CG]TCA-3' and regulates expression of target genes (By similarity). Selectively suppresses CCN1 transcription and hence blocks the downstream cell proliferation signals produced by CCN1 and inhibits CCN1-induced anchorage-independent growth and invasion in several cancer types, such as breast cancer, malignant glioma and metastatic melanoma. Possibly acts by interfering with AP-1 binding to CCN1 promoter.[UniProtKB/Swiss-Prot Function]