

Product datasheet for MC214703

Batf3 (NM_030060) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Batf3 (NM_030060) Mouse Untagged Clone
Tag: Tag Free
Symbol: Batf3
Synonyms: 9130211I03Rik; Snft
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC214703 representing NM_030060

Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTCGAAGGGCCCCCGCGGTCAGCGTGCTGCAGAGAAGCGTGGATGCGCCCGGAACCGCCGAGA
 GCCCCAAGGACGATGACAGGAAAGTTCGAAGGAGAGAGAAAAACCGGTTGCAGCTCAGAGGAGCCGGAA
 GAAGCAGACCCAGAAGGCTGACAAGCTCCACGAGGAGCACGAGAGCCTGGAGCAGGAGAACTCTGTGCTG
 CGCAGGGAGATTTGAAGCTGAAGGAGGAGCTGCGTCACCTGAGCGAGGTGCTGAAGGAGCACGAGAAGA
 TGTGCCCGCTGCTGCTGTCTATGAACCTTGTGCAGCTTCGGTCAGACCCCGTGGCCAGCTGTCTACC
 ACGATGA

A**CGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1883_c09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_030060

Insert Size: 357 bp



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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](#)

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC117083](#), [AAI17084](#)

RefSeq Size: 712 bp

RefSeq ORF: 357 bp

Locus ID: 381319

UniProt ID: [Q9D275](#)

Cytogenetics: 1 H6

Gene Summary: AP-1 family transcription factor that controls 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. Required for development of CD8-alpha(+) classical dendritic cells (cDCs) and related CD103(+) dendritic cells that cross-present antigens to CD8 T-cells and produce interleukin-12 (IL12) in response to pathogens.[UniProtKB/Swiss-Prot Function]