

Product datasheet for MR224969

Batf3 (NM_030060) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Batf3 (NM_030060) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Batf3
Synonyms: 9130211I03Rik; Snft
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224969 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCAAGGGCCCCCGCGTCCAGCGTGTGCAGAGAAGCGTGGATGCGCCCGGAACCGCCGAGA
GCCCAAGGACGATGACAGGAAAGTTCGAAGGAGAGAGAAAAACCGGTTGCAGCTCAGAGGAGCCGGAA
GAAGCAGACCCAGAAGGCTGACAAGCTCCACGAGGAGCACGAGAGCCTGGAGCAGGAGAACTCTGTGCTG
CGCAGGGAGATTCGAAGCTGAAGGAGGAGCTGCGTCACCTGAGCGAGGTGCTGAAGGAGCACGAGAAGA
TGTGCCCGCTGCTGTGCTCCTATGAACCTTGTGCAGCTTCGGTCAGACCCCGTGGCCAGCTGTCTACC
ACGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224969 protein sequence
Red=Cloning site Green=Tags(s)
MSQPPAVSVLQRSVDAPGNQPQSPKDDDRKVRREKNRVAQAQRSRKQTQKADKLHEEHESLEQENSVL
RREISKLEELRHLSEVLKEHEKMCPLLLCPMNFVQLRSDPVASCLPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_030060

ORF Size: 357 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_030060.2](#), [NP_084336.1](#)

RefSeq Size: 712 bp

RefSeq ORF: 357 bp

Locus ID: 381319

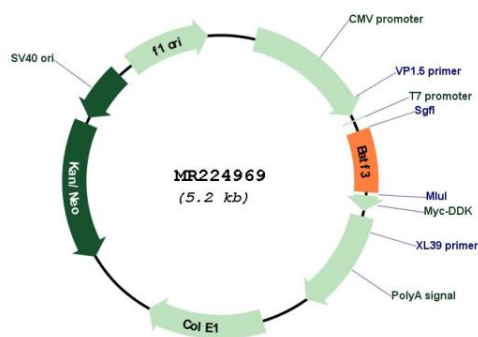
UniProt ID: [Q9D275](#)

Cytogenetics: 1 H6

MW: 13.7 kDa

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]

Product images:



Circular map for MR224969