

## Recombinant Mouse Batf3 Protein, Myc/DDK-tagged

Cat. No. Batf3-1826M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length basic leucine zipper transcription factor, ATF-like 3 (Batf3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	13.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Batf3 basic leucine zipper transcription factor, ATF-like 3 [ Mus musculus (house mouse) ]

**Official Symbol** Batf3

**Synonyms** BATF3; basic leucine zipper transcription factor, ATF-like 3; basic leucine zipper transcriptional factor ATF-like 3; B-ATF-3; Jun dimerization protein p21SNFT; Snft; 9130211I03Rik

**Gene ID** 381319

**mRNA Refseq** NM\_030060

**Protein Refseq** NP\_084336

**UniProt ID** Q9D275

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