

Recombinant Mouse Batf3 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	13.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	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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