

## Recombinant Rat BATF3 Protein (1-133 aa), His-tagged

**Cat. No.** BATF3-351R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat BATF3 Protein (1-133 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-133 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | AP-1 family transcription factor that controls the differentiation of CD8+ thymic conventional dendritic cells in the immune syst. 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>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 19.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MSQGPPAGGVLQSSVAAPGNQPQSPKDDDRKVRREKNRVAAQRSRKKQTQKSD<br>KLHEEHESLEQENSVLRRREIAKLKEELRHLTEALKEHEKMCPLLLCPMNFVQLRPDP<br>VASWSAHDAPDHPSFIWLGTLV                                                                                                                                                                                                                                                                                                                                                                           |

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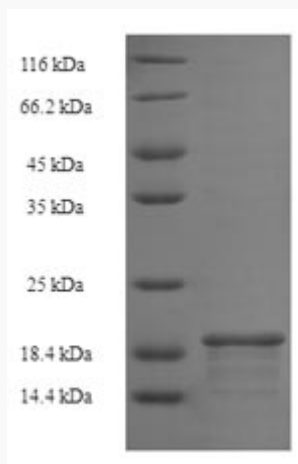
 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>    | A hardcopy of COA with concentration instruction is sent along with the products.                                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | Batf3 basic leucine zipper transcription factor, ATF-like 3 [ Rattus norvegicus ]                                                                                                                                                                                                                                   |
| <b>Official Symbol</b>  | BATF3                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>         | BATF3; JDP-1; B-ATF-3; Jdp1;                                                                                                                                                                                                                                                                                        |
| <b>Gene ID</b>          | 60462                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_021865                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_068637                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | P97876                                                                                                                                                                                                                                                                                                              |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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