

## Active Recombinant Mouse Btl9 Protein, Fc-tagged

**Cat. No.** BTNL9-001M    **Lot. No.** (See product label)

### SPECIFICATION

|                                     |                                                                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant Mouse Btl9 protein (Asp36-Lys257) fused with Fc region of Mouse IgG2a (Glu98-Lys330) at C-terminus was expressed in Mouse myeloma cell line. |
| <b>Species</b>                      | Mouse                                                                                                                                                    |
| <b>Source</b>                       | Mammalian Cells                                                                                                                                          |
| <b>ProteinLength</b>                | 36-257 a.a.                                                                                                                                              |
| <b>Description</b>                  | Biased expression in adrenal adult (RPKM 12.4), subcutaneous fat pad adult (RPKM 11.8) and 9 other tissues.                                              |
| <b>Form</b>                         | Disulfide-linked homodimer                                                                                                                               |
| <b>Bio-activity</b>                 | Measured by its ability to inhibit IL-2 secretion by mouse T cells in the presence of anti-CD3. The ED50 for this effect is 0.75-4.5 µg/mL.              |
| <b>Molecular Mass</b>               | 52 kDa                                                                                                                                                   |
| <b>N-terminal Sequence Analysis</b> | Asp36                                                                                                                                                    |
| <b>Endotoxin</b>                    | <0.10 EU per 1 µg of the protein by the LAL method.                                                                                                      |
| <b>Purity</b>                       | >90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by                                                                       |

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Coomassie® Blue Staining.

**Storage**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.  
 12 months from date of receipt, -20 to -70 centigrade as supplied.  
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.  
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Storage Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS.

**Preservative**

Reconstitute at 200 µg/mL in PBS.

## GENE INFORMATION

**Gene Name**

Btnl9 butyrophilin-like 9 [ Mus musculus (house mouse) ]

**Official Symbol**

Btnl9 butyrophilin-like 9 [ Mus musculus (house mouse) ]

**Synonyms**

Btn3; B430208I01; D330012D11Rik; butyrophilin-like protein 9; butyrophilin 3

**Gene ID**

237754

**mRNA Refseq**

NM\_172793

**Protein Refseq**

NP\_766381

**UniProt ID**

Q8BJE2

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