

## Recombinant Mouse Itm2b Protein, Myc/DDK-tagged

**Cat. No.** Itm2b-3616M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length integral membrane protein 2B (Itm2b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Plays a regulatory role in the processing of the amyloid-beta A4 precursor protein (APP) and acts as an inhibitor of the amyloid-beta peptide aggregation and fibrils deposition. Plays a role in the induction of neurite outgrowth. Functions as a protease inhibitor by blocking access of secretases to APP cleavage sites. |
| <b>Molecular Mass</b>   | 30.3 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.                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                           |

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## GENE INFORMATION

|                 |                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Itm2b integral membrane protein 2B [ Mus musculus (house mouse) ]                                                 |
| Official Symbol | Itm2b                                                                                                             |
| Synonyms        | ITM2B; integral membrane protein 2B; Integral membrane protein 2B (E25B protein); Bri2; E25BMM; D14Sel6; AI256040 |
| Gene ID         | 16432                                                                                                             |
| mRNA Refseq     | NM_008410                                                                                                         |
| Protein Refseq  | NP_032436                                                                                                         |
| UniProt ID      | O89051                                                                                                            |

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