

## Recombinant Mouse Ap1b1 Protein, MYC/DDK-tagged

**Cat. No.** Ap1b1-618M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of full-length mouse adaptor protein complex AP-1, beta 1 subunit (Ap1b1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules. |
| <b>Molecular Mass</b>   | 103.9 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

|                        |                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Ap1b1 adaptor protein complex AP-1, beta 1 subunit [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                                            |
| <b>Official Symbol</b> | <a href="#">Ap1b1</a>                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | Ap1b1; adaptor protein complex AP-1, beta 1 subunit; Adtb1; b2b1660Clo; AP-1 complex subunit beta-1; adaptor protein complex AP-1 subunit beta-1; adaptor-related protein complex AP-1, beta 1 subunit; beta-adaptin 1; beta-prime adaptin; clathrin assembly protein complex 1 beta large chain; golgi adaptor HA1/AP1 adaptin beta subunit |
| <b>Gene ID</b>         | <a href="#">11764</a>                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | <a href="#">NM_007454</a>                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | <a href="#">NP_031480</a>                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | <a href="#">O35643</a>                                                                                                                                                                                                                                                                                                                       |

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