

## Recombinant Mouse Ap4b1 Protein, His-tagged

**Cat. No.** Ap4b1-195M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Ap4b1 Protein (Met1-Ile261) with N-His tag was expressed in E. coli.                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Met1-Ile261                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Involved in protein localization to somatodendritic compartment and protein targeting. Located in trans-Golgi network. Human ortholog(s) of this gene implicated in hereditary spastic paraplegia 47. Orthologous to human AP4B1 (adaptor related protein complex 4 subunit beta 1). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 33.2 kDa<br>Accurate Molecular Mass: 33 kDa                                                                                                                                                                                                                |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                           |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for                                                                                                        |

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

Ap4b1 adaptor-related protein complex AP-4, beta 1 [ Mus musculus (house mouse) ]

**Official Symbol**

Ap4b1

**Synonyms**

AP4B1; adaptor-related protein complex AP-4, beta 1; AP-4 complex subunit beta-1; AP-4 beta-4; beta4-adaptin; beta subunit of AP-4; AP-4 adapter complex subunit beta; adapter-related protein complex 4 subunit beta-1; Ap4b4; AV004952; 1810038H16Rik

**Gene ID**

67489

**mRNA Refseq**

NM\_001163552

**Protein Refseq**

NP\_001157024

**UniProt ID**

Q9WV76

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