

## Recombinant Mouse Bace1 Protein, Myc/DDK-tagged

Cat. No. Bace1-1815M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length beta-site APP cleaving enzyme 1 (Bace1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes a member of the peptidase A1 family of aspartic proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protease. This transmembrane protease catalyzes the first step in the formation of amyloid beta peptide from amyloid precursor protein. Amyloid beta peptides are the main constituent of amyloid beta plaques, which accumulate in the brains of human Alzheimer's disease patients. Homozygous knockout mice for this gene exhibit a wide range of nervous system defects, growth retardation, metabolic abnormalities, and increased neonatal lethality.</p>
<b>Molecular Mass</b>	55.7 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.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Bace1 beta-site APP cleaving enzyme 1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Bace1](#)

**Synonyms** BACE1; beta-site APP cleaving enzyme 1; beta-secretase 1; ASP2; asp 2; memapsin-2; APP beta-secretase; aspartyl protease 2; membrane-associated aspartic protease 2; beta-site amyloid precursor protein cleaving enzyme 1; C76936

**Gene ID** [23821](#)

**mRNA Refseq** [NM\\_011792](#)

**Protein Refseq** [NP\\_035922](#)

**UniProt ID** [P56818](#)

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