

## Recombinant Mouse Bace2 Protein, Myc/DDK-tagged

Cat. No. Bace2-1816M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length beta-site APP-cleaving enzyme 2 (Bace2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the peptidase A1 family of aspartic proteases. The encoded preproprotein undergoes proteolytic processing to generate an active endopeptidase enzyme. This transmembrane protease catalyzes the proteolysis of amyloid precursor protein to produce amyloid beta peptide. Mice lacking the encoded product exhibit increased pancreatic beta cell mass and improved glucose tolerance due to increased insulin secretion.
<b>Molecular Mass</b>	56.3 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

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

## GENE INFORMATION

**Gene Name** Bace2 beta-site APP-cleaving enzyme 2 [ *Mus musculus* (house mouse) ]

**Official Symbol** Bace2

**Synonyms** BACE2; beta-site APP-cleaving enzyme 2; beta-secretase 2; ASP1; asp 1; memapsin-1; theta-secretase; aspartyl protease 1; beta-site APP cleaving enzyme 2; membrane-associated aspartic protease 1; beta-site amyloid precursor protein cleaving enzyme 2; ARP1; BAE2; DRAP; AEPLC; ALP56; ASP21; CDA13; CEAP1; AI850424; 1110059C24Rik

**Gene ID** 56175

**mRNA Refseq** NM\_019517

**Protein Refseq** NP\_062390

**UniProt ID** Q9JL18

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