Recombinant Mouse Bace2 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length beta-site APP-cleaving enzyme 2 (Bace2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	56.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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