

Recombinant Mouse Bace1 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length beta-site APP cleaving enzyme 1 (Bace1), 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. 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.
Molecular Mass	55.7 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.

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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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