

Recombinant Human BACE2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BACE2-2540H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BACE2 MS Standard C13 and N15-labeled recombinant protein (NP_036237) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an integral membrane glycoprotein that functions as an aspartic protease. The encoded protein cleaves amyloid precursor protein into amyloid beta peptide, which is a critical step in the etiology of Alzheimer's disease and Down syndrome. The protein precursor is further processed into an active mature peptide. Alternative splicing results in multiple transcript variants.
Molecular Mass	56.18 kDa
AA Sequence	MGALARALLPLLAQWLLRAAPELAPAPFTLPLRVAAATNRVVAPTPGPGTPAERHA DGLALALEPALASPAGAAANFLAMVDNLQGDSGRGYYLEMLIGTPPQKLQILVDTGSS NFAVAGTPHSYIDTYFDTERSSSTYRSKGFDTVKYTQGSWTGFVGEDLV TIPKGFNT SFLVNIATIFESENFFLPGIKWNGILGLAYATLAKPSSSLETFFDSLVTQANIPNVFSMQ MCGAGLPVAGSGTNGGSLVLGGIEPSLYKGDWYTPIKEEWYYQIEILKLEIGGQSLN LDCREYNADKAIVDSGTTLLRLPQKVFDVAVVEAVARASLIPEFSDGFWTGSQ LACWT NSETPWSYFPKISYLRDENSSRSFRITILPQLYIQPMMGAGLNYECYRFGISPSTNAL VIGATVMEGFYVIFDRAQKRVGFAASPCAEIAGAAVSEISGPFSTEDVASNCVPAQSL

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	SEPILWIVSYALMSVCGAILLVLIVLLLLPFRCQRRPRDPEVVNDESSLVRHRWKTRTRP PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	BACE2 beta-site APP-cleaving enzyme 2 [Homo sapiens (human)]
Official Symbol	BACE2
Synonyms	BACE2; beta-site APP-cleaving enzyme 2; AEPLC; beta-secretase 2; ALP56; CEAP1; DRAP; asp 1; memapsin-1; theta-secretase; beta secretase 2; aspartyl protease 1; 56 kDa aspartic-like protease; aspartic-like protease 56 kDa; down region aspartic protease; beta-site APP cleaving enzyme 2; Down syndrome region aspartic protease; transmembrane aspartic proteinase Asp1; membrane-associated aspartic protease 1; beta-site amyloid precursor protein cleaving enzyme 2; beta-site amyloid beta A4 precursor protein-cleaving enzyme 2; ASP1; BAE2; ASP21; CDA13;
Gene ID	25825
mRNA Refseq	NM_012105

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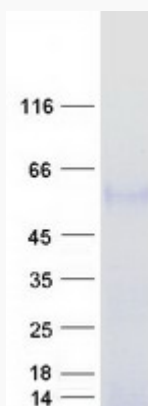
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Protein Refseq NP_036237

MIM 605668

UniProt ID Q9Y5Z0

SDS-PAGE



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