

Product datasheet for TP309115L

OriGene Technologies, Inc.

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BACE1 (NM 012104) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human beta-site APP-cleaving enzyme 1 (BACE1), transcript variant a, 1

mg

Species: Human Expression Host: HEK293T

Expression cDNA Clone >RC209115 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MAQALPWLLLWMGAGVLPAHGTQHGIRLPLRSGLGGAPLGLRLPRETDEEPEEPGRRGSFVEMVDNLRGK SGQGYYVEMTVGSPPQTLNILVDTGSSNFAVGAAPHPFLHRYYQRQLSSTYRDLRKGVYVPYTQGKWEGE LGTDLVSIPHGPNVTVRANIAAITESDKFFINGSNWEGILGLAYAEIARPDDSLEPFFDSLVKQTHVPNL FSLQLCGAGFPLNQSEVLASVGGSMIIGGIDHSLYTGSLWYTPIRREWYYEVIIVRVEINGQDLKMDCKE YNYDKSIVDSGTTNLRLPKKVFEAAVKSIKAASSTEKFPDGFWLGEQLVCWQAGTTPWNIFPVISLYLMG EVTNQSFRITILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSAC HVHDEFRTAAVEGPFVTLDMEDCGYNIPQTDESTLMTIAYVMAAICALFMLPLCLMVCQWRCLRCLRQQH DDFADDISLLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 55.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.





BACE1 (NM_012104) Human Recombinant Protein - TP309115L

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 036236

Locus ID: 23621

UniProt ID: <u>P56817</u>, <u>A0A024R3D7</u>

RefSeq Size: 5864

Cytogenetics: 11q23.3

RefSeq ORF: 1503

Synonyms: ASP2; BACE; HSPC104

Summary: This gene encodes a member of the peptidase A1 family of aspartic proteases. Alternative

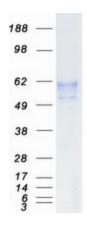
splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protease. This transmembrane protease catalyzes the first step in the formation of amyloid beta peptide from amyloid precursor protein. Amyloid beta peptides are the main constituent of amyloid beta plaques, which accumulate in the brains of human Alzheimer's disease patients. [provided by RefSeq,

Nov 2015]

Protein Families: Druggable Genome, Protease, Transmembrane

Protein Pathways: Alzheimer's disease

Product images:



Coomassie blue staining of purified BACE1 protein (Cat# [TP309115]). The protein was produced from HEK293T cells transfected with BACE1 cDNA clone (Cat# [RC209115]) using MegaTran 2.0 (Cat# [TT210002]).