

Product datasheet for **TP304860L**

BACE2 (NM_012105) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human beta-site APP-cleaving enzyme 2 (BACE2), transcript variant a, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204860 representing NM_012105 Red =Cloning site Green =Tags(s)

MGALARALLPLLAQWLLRAAPELAPAPFTLPLRVAAATNRVWVPTPGPGTPAERHADGLALALEPALAS
PAGANFLAMVDNLQGDSEGRGYYLEMLIGTPPQKLQILVDTGSSNFAVAGTPHSYIDTYFDTERSSTYRS
KGFDTVVKYTQGSWTGFGEDLVTIPKGFNTSFLVNIATIFESENFPLPGIKWNGILGLAYATLAKPSSS
LETFDLSLVTQANIPNVFSMQMCGAGLPVAGSGTNGGSLVLGGIEPSLYKGDIWYTPIKEEWWWYQIEILK
LEIGGQSLNLD CREYNADKAIVDSGTTLLRLPQKVFDAVEAVARASLIPEFSDGFWTGSQLACWTNSET
PWSYFPKISYLRDENSSRSFRITLPQLYIQPMMGAGLNYECYRFGISPSTNALVIGATVMEGFYVIFD
RAQKRVGFAASPCAIEIAGA AVSEISGPFSTEDVASNCVPAQSLSEPIWVSYALMSVCGAILLVLLVLL
LLPFRQRRPRDPEVVNDESSLVRHRWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

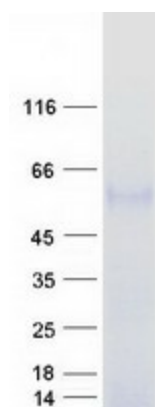
Tag:	C-Myc/DDK
Predicted MW:	49.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_036237
Locus ID:	25825
UniProt ID:	Q9Y5Z0
RefSeq Size:	2993
Cytogenetics:	21q22.2-q22.3
RefSeq ORF:	1554
Synonyms:	AEPLC; ALP56; ASP1; ASP21; BAE2; CDA13; CEAP1; DRAP
Summary:	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. [provided by RefSeq, Jul 2013]
Protein Families:	Druggable Genome, Protease, Transmembrane
Protein Pathways:	Alzheimer's disease

Product images:



Coomassie blue staining of purified BACE2 protein (Cat# [TP304860]). The protein was produced from HEK293T cells transfected with BACE2 cDNA clone (Cat# [RC204860]) using MegaTran 2.0 (Cat# [TT210002]).