

## Product datasheet for TP304860

### 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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204860 representing NM_012105 Red=Cloning site Green=Tags(s)

MGALARALLPLLAQWLLRAAPELAPAPFTLPLRVAAATNRVWVPTPGPGTPAERHADGLALALEPALAS  
PAGANFLAMVDNLQGDSEGRGYYLEMLIGTPPQKLQILVDTGSSNFAVAGTPHSYIDTYFDTERSSTYRS  
KGFDTVVKYTQGSWTGFGEDLVTIPKGFNTSFLVNIATIFESENFPLPGIKWNGILGLAYATLAKPSSS  
LETFDLSLVTQANIPNVFSMQMCGAGLPVAGSGTNGGSLVLGGIEPSLYKGDWIWYTPIKEEWYQIEILK  
LEIGGQSLNLD CREYNADKAIVDSGTTLLRLPQKVFDAVEAVARASLIPEFSDGFWTGSQLACWTNSET  
PWSYFPKISYLRDENSSRSFRITLPQLYIQPMMGAGLNYECYRFGISPSTNALVIGATVMEGFYVIFD  
RAQKRVGFAASPCAIEIAGA AVSEISGPFSTEDVASNCVPAQSLSEPIWVSYALMSVCGAILLVLLVLL  
LLPFRQRRPRDPEVVNDESSLVRHRWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

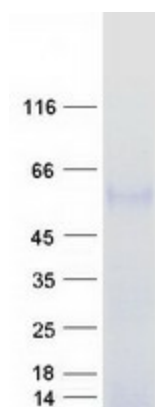
Tag:	C-Myc/DDK
Predicted MW:	49.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_036237</a>
<b>Locus ID:</b>	25825
<b>UniProt ID:</b>	<a href="#">Q9Y5Z0</a>
<b>RefSeq Size:</b>	2993
<b>Cytogenetics:</b>	21q22.2-q22.3
<b>RefSeq ORF:</b>	1554
<b>Synonyms:</b>	AEPLC; ALP56; ASP1; ASP21; BAE2; CDA13; CEAP1; DRAP
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Protease, Transmembrane
<b>Protein Pathways:</b>	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]).