

Recombinant Human APBB1 protein, His & T7-tagged

Cat. No. APBB1-1655H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human APBB1 aa. (Gly267~Phe528 (Accession # O00213)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly267~Phe528
Description	The protein encoded by this gene is a member of the Fe65 protein family. It is an adaptor protein localized in the nucleus. It interacts with the Alzheimer's disease amyloid precursor protein (APP), transcription factor CP2/LSF/LBP1 and the low-density lipoprotein receptor-related protein. APP functions as a cytosolic anchoring site that can prevent the gene product's nuclear translocation. This encoded protein could play an important role in the pathogenesis of Alzheimer's disease. It is thought to regulate transcription. Also it is observed to block cell cycle progression by downregulating thymidylate synthase expression. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Form	Freeze-dried powder
Molecular Mass	40kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	5.1

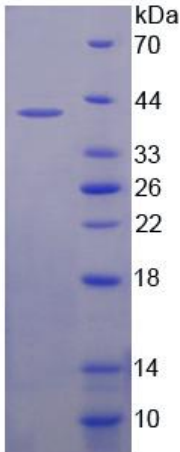
GENE INFORMATION

Gene Name	APBB1 amyloid beta precursor protein binding family B member 1 [Homo sapiens (human)]
Official Symbol	APBB1
Synonyms	APBB1; amyloid beta precursor protein binding family B member 1; RIR; FE65; MGC:9072; amyloid-beta A4 precursor protein-binding family B member 1; amyloid beta A4 precursor protein-binding family B member 1; adaptor protein FE65a2; amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65); stat-like protein

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Gene ID	322
mRNA Refseq	NM_001164.4
Protein Refseq	NP_001155.1
UniProt ID	O00213
SDS-PAGE	 15% SDS-PAGE