

Recombinant Full Length Human APBB1 Protein, GST-tagged

Cat. No. APBB1-1079HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APBB1 full-length ORF (NP_663722.1, 1 a.a. - 708 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	708 amino acids
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. [provided by RefSeq, Mar 2012]
Molecular Mass	103.4 kDa
AA Sequence	MSVPSSLSQS AINANSHGGP ALSLPLPLHA AHNQLLNAKL QATAVGPKDL RSAMGEGGGP EPGPANAKWL KEGQNQLRRA ATAHRDQNRN VTLTLAEEAS QEPEMAPLGP KGLIHL YSEL ELSAHNAANR GLRGPGLIIS TQEQQPDEGE

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EKAAGEAEEE EEDDDDEEEE EDLSSPPGLP EPLESVEAPP RPQALTDGPR
 EHSKSASLLF GMRNSAASDE DSSWATLSQG SPSYGSPEDT DSFWNPNAFE
 TDSLPAGWM RVQDTSGTYY WHIPTGTTQW EPPGRASPSQ GSSPQEE SQL
 TWTGFAHGEG FEDGEFWKDE PSDEAPMELG LKEPEEGTLT FPAQSLSPEP
 LPQEEELKPP RNTNPGIKCF AVRSLGWVEM TEEELAPGRS SVAVNNCIRQ
 LSYHKNNLHD PMSGGWGEGK DLLLQLEDET LKLVEPQSQA LLHAQPIISI
 RVWGVGRDSG RDFAYVARDK LTQMLKCHVF RCEAPAKNIA TSLHEICSKI
 MAERRNARCL VNGLSLDHSK LVDVPFQVEF PAPKNELVQK FQVYYLGNVP
 VAKPVGVDVI NGALESVLSS SSREQWTPSH VSVAPATLTI LHQQTEAVLG
 ECRVRFLSFL AVGRDVHTFA FIMAAGPASF CCHMFWCEPN AASLSEAVQA
 ACMLRYQKCL DARSQASTSC LPAPPAESVA RRVGWTVRRG VQSLWGSLKP
 KRLGAHTP

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

APBB1 amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65) [*Homo sapiens*]

Official Symbol

APBB1

Synonyms

APBB1; amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65); RIR;
 amyloid beta A4 precursor protein-binding family B member 1; Fe65; stat-like protein;
 adaptor protein FE65a2; FE65; MGC:9072;

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Gene ID	322
mRNA Refseq	NM_001164
Protein Refseq	NP_001155
MIM	602709
UniProt ID	O00213

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