Recombinant Human APBB1

Cat. No. APBB1-28167TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FE65 with N terminal proprietary tag; Predicted MWt 103.95 kDa.
Species	Human
Source	Wheat Germ
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 Alzheimers 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 products nuclear translocation. This encoded protein could play an important role in the pathogenesis of Alzheimers 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 have been described for this gene but some of their full length sequence is not known.
Molecular Weight	103.950kDa inclusive of tags
Tissue specificity	Highly expressed in brain; strongly reduced in post-mortem elderly subjects with Alzheimer disease.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MSVPSSLSQSAINANSHGGPALSLPLPLHAAHNQLLNAKL QATAVGPKDLRSAMGE GGGPEPGPANAKWLKEGQNQLRRA ATAHRDQNRNVTLTLAEEASQEPEMAPLGP KGLIHLYSEL ELSAHNAANRGLRGPGLIISTQEQGPDEGEEKAAGEAEEE EEDDDD EEEEEDLSSPPGLPEPLESVEAPPRPQALTDGPR EHSKSASLLFGMRNSAASDEDS SWATLSQGSPSYGSPEDT DSFWNPNAFETDSDLPAGWMRVQDTSGTYYWHIPTG TTQW EPPGRASPSQGSSPQEESQLTWTGFAHGEGFEDGEFWKDE PSDEAPMEL GLKEPEEGTLTFPAQSLSPEPLPQEEEKLPP RNTNPGIKCFAVRSLGWVEMTEEEL APGRSSVAVNNCIRQ LSYHKNNLHDPMSGGWGEGKDLLLQLEDETLKLVEPQSQA LLHAQPIISIRVWGVGRDSGRDFAYVARDKLTQMLKCHVF RCEAPAKNIATSLHEIC SKIMAERRNARCLVNGLSLDHSK LVDVPFQVEFPAPKNELVQKFQVYYLGNVPVAK PVGVDVI NGALESVLSSSSREQWTPSHVSVAPATLTILHQQTEAVLG ECRVRFLSF LAVGRDVHTFAFIMAAGPASFCCHMFWCEPN AASLSEAVQAACMLRYQKCLDARS QASTSCLPAPPAESVA RRVGWTVRRGVQSLWGSLKPKRLGAHTP
Sequence Similarities	Contains 2 PID domains.Contains 1 WW domain.

GENE INFORMATION

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

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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;
Gene ID	322
mRNA Refseq	NM_001164
Protein Refseq	NP_001155
MIM	602709
Uniprot ID	O00213
Chromosome Location	11p15
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem;
Function	beta-amyloid binding; beta-amyloid binding; chromatin binding; histone binding; proline-rich region binding;

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