

## Recombinant Human APBB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** APBB1-2405H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | APBB1 MS Standard C13 and N15-labeled recombinant protein (NP_663722) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 77 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MSVPSSLSQSAINANSHGGPALSPLPLHAAHNQLLNAKLQATAVGPKDLRSAMGE<br>GGGPEPGPANAKWLKEGQNQLRRAATAHRDQNRNVTLTAAEEASQEPEMAPLGP<br>KGLIHLYSELELSAHNAANRGLRGPGLIISTQEQQPDEGEKEKAAGEAEEEEEDDDDE<br>EEEEDLSSPPGLPEPLESVEAPPRPQALTDGPREHSKSASLLFGMRNSAASDEDSS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

WATLSQGSPSYGSPEDTDSFWNPNAFETDSDLPAGWMRVQDTS GTYYWHIPTGT  
 TQWEPPGRASPSQGSSPQEESQLTWTGFAHGEGFEDGEFWKDEPSDEAPMELGL  
 KEPEEGTLTFPAQSLSPEPLPQEEELPPRNTNPGIKCFAVRSLGWVEMTEEELAPG  
 RSSVAVNNCIRQLSYHKNNLHDPMSGGWGEGKDLLLQLEDETLKLVEPQSQALLHA  
 QPIISIRVWGVGRDSDGRDFAYVARDKLTQMLKCHVFRCEAPAKNIATSLHEICKIMA  
 ERRNARCLVNGLSLDHSLVDVPFQVEFPAPKNELVQKFQVYYLGNVPVAKPVGVD  
 VINGALESVLSSSSREQWTPSHVSVAPATLTILHQQTEAVLGECRVRFLSFLAVGRD  
 VHTFAFIMAAGPASFCCHMFWCEPNAASLSEAVQAACMLRYQKCLDARSQASTSC  
 LPAPPAESVARRVGWTVRRGVQSLWGS LKPKRLGAHTPTRTRPLEQKLISEEDLAA  
 NDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** APBB1 amyloid beta precursor protein binding family B member 1 [ Homo sapiens (human) ]

**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;

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adaptor protein FE65a2; FE65; MGC:9072;

**Gene ID** 322

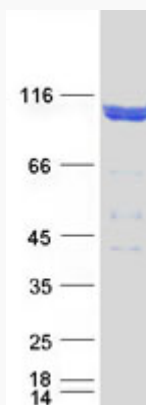
**mRNA Refseq** NM\_145689

**Protein Refseq** NP\_663722

**MIM** 602709

**UniProt ID** O00213

**SDS-PAGE**



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