

## Product datasheet for **TP506000**

### Apbb1 (BC048395) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse amyloid beta (A4) precursor protein-binding, family B, member 1 (cDNA clone MGC:56969 IMAGE:6392016), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206000 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MELGLKDPEEATLSFPAQSLSPVPQEEEEKLSQRNANPGIKCFAVRS LGWVEMTEELAPGRSSVAVNN CIRQLSYHKNNLHDPMAGGWGEGKDLLLQLEDET LKLVEPQNQTLLHAQPIVSIRVWGVGRDSGRERDF A YVARDKLTQMLKCHVFRCEAPAKNIATSLHEICSKIMSERRNARCLVNGLSLDHSKLVDVPFQVEFPAPK NELVQKFQVYYLGNVPVAKPVGVDVINGALESVLSSSSREQWTPSHVSVAPATLTILHQQTEAVLGECRV RFLSFLAVGRDVHTFAFIMAAGPASFCCHMFWCEPNAASLSEAVQAACMLRYQKCLDARSQTSTSCLPAP PAESVARRVGWTVRRGVQSLWGS LKPKRLGSQTP  <span style="color: red;">TRTRPLE</span> <span style="color: green;">QKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-MYC/DDK
Predicted MW:	42.4 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	11785


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UniProt ID: [Q9QXJ1](#)

RefSeq Size: 2065

Cytogenetics: 7 55.9 cM

RefSeq ORF: 1152

Synonyms: Fe65; Rir

**Summary:** Adapter protein that forms a transcriptionally active complex with the gamma-secretase-derived amyloid precursor protein (APP) intracellular domain. Plays a central role in the response to DNA damage by translocating to the nucleus and inducing apoptosis. May act by specifically recognizing and binding histone H2AX phosphorylated on 'Tyr-142' (H2AXY142ph) at double-strand breaks (DSBs), recruiting other pro-apoptosis factors such as MAPK8/JNK1. Required for histone H4 acetylation at double-strand breaks (DSBs). Its ability to specifically bind modified histones and chromatin modifying enzymes such as KAT5/TIP60, probably explains its transcription activation activity. Function in association with TSHZ3, SET and HDAC factors as a transcriptional repressor, that inhibits the expression of CASP4. Associates with chromatin in a region surrounding the CASP4 transcriptional start site(s).[UniProtKB/Swiss-Prot Function]