

Product datasheet for PH302003

FE65 (APBB1) (NM_001164) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APBB1 MS Standard C13 and N15-labeled recombinant protein (NP_001155)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202003
Predicted MW:	77 kDa
Protein Sequence:	>RC202003 protein sequence Red=Cloning site Green=Tags(s)

MSVPSLSQSAINANSHGGPALSLPLPLHAAHNQLLNAKLQATAVGPKDLRSAMGEGGGPEPGPANAKWL
KEGQNQLRRAATAHRDQNRNVTLLAEEASQPEMAPLGPKGLIHLSELELSAHNAANRGLRGPGLIIS
TQEQGPDEGEEKAAGEAEEEEEDDDDEEEEDLSSPPGLPEPLESVEAPRPQALTDGPREHKSASLLF
GMRNSAASDESSWATLSQGSPSYGSPEDTDSFWNPNAFETSDLPAGWMRVQDTSQTYWHIPTGTTQW
EPPGRASPSQGSSPQEESSLTWTGFAHGEGFEDGEFWKDEPSDEAPMELGLKEPEEGTLTFPAQSLSPEP
LPQEEELPPRNTNPGIKCFVRSLSGWEMTEEELAPGRSSVAVNNCIRQLSYHKNNLHDPMSGGWGEK
DLLLQLEDETLKLVQPQSALLHAQPIISIRVWGVGRDSGRDFAYVARDKLTQMLKCHVFRCEAPAKNIA
TSLHEICSKIMAERRNARCLVNLGLSLDHSKLVDPVFPQVEFPAPKNELVQKFQVYYLGNVPVAKPVGVQVI
NGALESVLSSSSREQWTPSHVSVAPATLTILHQQTEAVLGEICRVRFLSFLAVGRDVHTFAFIMAAGPASF
CCHMFWCEPNAASLSEAVQAACMLRYQKCLDARSQASTSCLPAPPAESVARRVGTVRRGVQSLWGLSKP
KRLGAHTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001155



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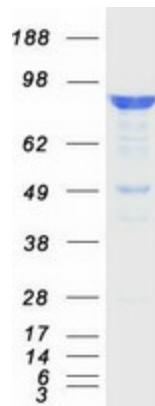
RefSeq Size:	2699
RefSeq ORF:	2124
Synonyms:	FE65; MGC:9072; RIR
Locus ID:	322
UniProt ID:	O00213
Cytogenetics:	11p15.4

Summary: 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]

Protein Families: Transcription Factors

Protein Pathways: Alzheimer's disease

Product images:



Coomassie blue staining of purified APBB1 protein (Cat# [TP302003]). The protein was produced from HEK293T cells transfected with APBB1 cDNA clone (Cat# [RC202003]) using MegaTran 2.0 (Cat# [TT210002]).