

Recombinant Human APBA1 protein, GST-tagged

Cat. No. APBA1-666H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APBA1 full-length ORF (AAI56048.1, 1 a.a. - 837 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a member of the X11 protein family. It is a neuronal adapter protein that interacts with the Alzheimer's disease amyloid precursor protein (APP). It stabilizes APP and inhibits production of proteolytic APP fragments including the A beta peptide that is deposited in the brains of Alzheimer's disease patients. This gene product is believed to be involved in signal transduction processes. It is also regarded as a putative vesicular trafficking protein in the brain that can form a complex with the potential to couple synaptic vesicle exocytosis to neuronal cell adhesion. [provided by RefSeq, Jul 2008]
Molecular Mass	92.1 kDa
AA Sequence	MNHLEGSAEVEVTDEAAGGEVNESVEADLEHPEVEEEQQQPPQQQHVVGRHQRG RALEDLRAQLGQEEEEERGECLARSASTESGFHNHTDTAEGDVIAAARDGYDAERAQ DPEDESAYAVQYRPEAE EYTEQAEAEHAEATHRRALPNHLHFHSLEHEEAMNAAYS GYVYTHRLFHRGEDEPYSEPYADYGGLQEHVYEEIGDAPELDARDGLRLYEQERDE AAAYRQEALGARLHHYDERSDGEDSDSPEKEAEFAPYPRMDSYEQEEDIDQIVAEVK QSMSSQSLDKAAEDMPEAEQDLERPPTPAGGRPDPSPGLQAPAGQQRAVGPAGGG

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EAGQRYSKEKRDAISLAIKDIKEAIEEVKTRTIRSPYTPDEPKEPIWVMRQDISPTRDC
 DDQRPMGDSPSPGSSSPLGAESSSTSLHPSDPVEASTNKESRKSLASFPTYVEVP
 GPCDPEDLIDGIIFAANYLGSTQLLSDKTPSKNVRMMQAQEAVSRIKMAQKLAKSrk
 KAPEGESQPMTEVDLFISTQRIKVLNADTQETMMDHPLRTISYIADIGNIVVLMARRR
 MPRSNSQENVEASHPSQDGKRQYKMICHVFESEDAQLIAQSIGQAFSVAYQEFLRA
 NGINPEDLSQKEYSDLLNTQDMYNDLLIHFSKSENCKDVFIEKQKGEILGVVIVESGW
 GSILPTVIIANMMHGGPAEKSGKLNIGDQIMSINGTSLVGLPLSTCQSIKGLKNQSRV
 KLNIVRCPPVTTVLIRRPDLRYQLGFSVQNGIICSLMRGGIAERGGVVRVGHRIIEINGQ
 SVVATPHEKIVHILSNAVGEIHMKTMPAAMYRLLTAQEQPVYI

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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

[APBA1 amyloid beta \(A4\) precursor protein-binding, family A, member 1 \[Homo sapiens \]](#)

Official Symbol

[APBA1](#)

Synonyms

APBA1; amyloid beta (A4) precursor protein-binding, family A, member 1; MINT1;
 amyloid beta A4 precursor protein-binding family A member 1; D9S411E; X11; mint-1;
 adapter protein X11alpha; adaptor protein X11alpha; neuron-specific X11 protein;
 neuronal munc18-1-interacting protein 1; phosphotyrosine-binding/-interacting domain
 (PTB)-bearing protein; amyloid beta (A4) precursor protein-binding, family A, member

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1 (X11); X11A; LIN10; X11ALPHA;

Gene ID 320

mRNA Refseq NM_001163

Protein Refseq NP_001154

MIM 602414

UniProt ID Q02410

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