# Recombinant Human APBA2 protein, His & T7-tagged

**Cat. No.** APBA2-8171H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human APBA2 aa. (Tyr459~Asn722 (Accession # Q99767)) fused with N-terminal His & T7 tag was produced in E. coli cells. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Tyr459~Asn722 |
| **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. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 32.5kDa |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | >95% |

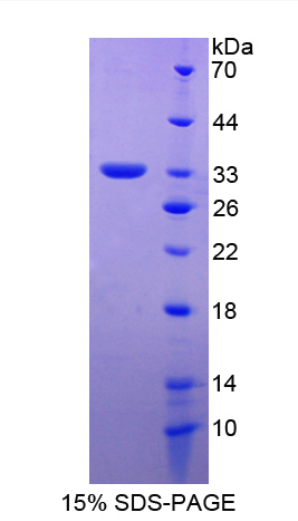
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| **Characteristic** | The isoelectric point is 7.7. |
| **Applications** | SDS-PAGE; WB; ELISA; IP |
| **Stability** | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage Buffer** | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl. |
| **Reconstitution** | Reconstitute in sterile PBS, pH7.2-pH7.4. |

## GENE INFORMATION

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| **Gene Name** | APBA2 amyloid beta precursor protein binding family A member 2 [ Homo sapiens (human) ] |
| **Official Symbol** | APBA2 |
| **Synonyms** | X11L; MINT2; LIN-10; HsT16821; X11-BETA; D15S1518E; MGC:14091; X11-like protein; adapter protein X11beta; amyloid beta (A4); precursor protein-binding, family A, member 2 (X11-like); mint-2; neuron-specific X11L protein; neuronal munc18-1-interacting protein 2; phosphotyrosine-binding/-interacting domain (PTB)-bearing protein; amyloid beta A4 precursor protein-binding family A member 2 |

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| **Gene ID** | 321 |
| **mRNA Refseq** | NM_001130414.1 |
| **Protein Refseq** | NP_001123886.1 |
| **UniProt ID** | Q99767 |
| **SDS-PAGE** | <br>15% SDS-PAGE |

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