

## Recombinant Human APP protein, His & GST-tagged

**Cat. No.** APP-26791TH    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human APP protein(Asp672-Val710)(P05067-1), corresponding to the Beta-amyloid protein 39, was expressed in E. coli, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.    |
| <b>Species</b>          | Human                                                                                                                                                                                                        |
| <b>Source</b>           | E. coli                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 672-710 aa                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 20% glycerol, 0.05% Tween 20, pH 9.5.                                                                                                                      |
| <b>Molecular Mass</b>   | The recombinant human Beta-APP39/GST chimera consists of 278 amino acids and has a calculated molecular mass of 32.2 KDa. It migrates as an approximately 34 KDa band in SDS-PAGE under reducing conditions. |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE                                                                                                                                                                             |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                         |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                |

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## GENE INFORMATION

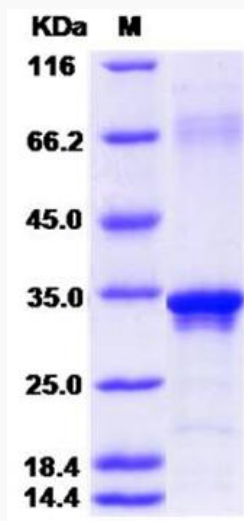
|                        |                                                                                                                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | APP amyloid beta (A4) precursor protein [ Homo sapiens ]                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | APP                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | APP; amyloid beta (A4) precursor protein; AD1, Alzheimer disease; amyloid beta A4 protein; peptidase nexin II; preA4; protease nexin-II; peptidase nexin-II; beta-amyloid peptide; alzheimer disease amyloid protein; cerebral vascular amyloid peptide; AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma; |
| <b>Gene ID</b>         | 351                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_000484                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_000475                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>             | 104760                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | P05067                                                                                                                                                                                                                                                                                                            |

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# SDS-PAGE



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