

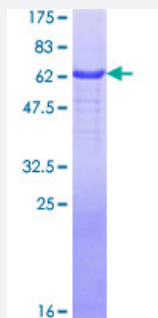
Full-Length

APP (Human) Recombinant Protein (P01)

Catalog # H00000351-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human APP full-length ORF (AAH04369.1, 19 a.a. - 305 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

EVPTDGNAGLLAEPQIAMFCGRLNMHMNVQNGKWSDSPSGTKTCIDTKEGILQYCQEVYPELQIT
NVVEANQPVTIQNWCKRGRKQCKTHPHFVIPYRCLVGEFVSDALLVPDKCKFLHQERMDVCETH
LHWHTVAKETCSEKSTNLHDYGMLLPCGIDKFRGVEFVCCPLAEESDNVDSADAEEDDSVDW
WGGADTDYADGSEDKVVEVAEEEEVAEEEEEAADDEDEDGDEVVEEAEEPYEEATERTTSI
ATTTTTTTSVEEVVREKWKYKEVHSGQARWLML

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

57.31

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

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

Applications

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

Gene Info — APP

Entrez GeneID[351](#)**GeneBank Accession#**[BC004369](#)**Protein Accession#**[AAH04369.1](#)**Gene Name**

APP

Gene Alias

AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2

Gene Description

amyloid beta (A4) precursor protein

Omim ID[104760 605714](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebral amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

A4 amyloid protein|amyloid beta A4 protein|amyloid-beta protein|beta-amyloid peptide|cerebral vasculature amyloid peptide|peptidase nexin-III|protease nexin-II

Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Down Syndrome](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Headache](#)
- [Macular Degeneration](#)
- [Mental Status Schedule](#)
- [Neuropsychological Tests](#)
- [Psychiatric Status Rating Scales](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)