

## General Information

### Gene Name Synonym

ABPP; APPI; Alzheimer disease amyloid protein; Cerebral vascular amyloid peptide; PreA4; Protease nexin-II; N-APP; Soluble APP-alpha; Soluble APP-beta; C99; Beta-amyloid protein 42; Beta-APP42; Beta-amyloid protein 40; Beta-APP40; C83; P3(42); P3(40); C80; Gamma-secretase C-terminal fragment 59; Amyloid intracellular domain 59; Gamma-CTF(59); Gamma-secretase C-terminal fragment 57; Amyloid intracellular domain 57; Gamma-CTF(57); Gamma-secretase C-terminal fragment 50; Amyloid intracellular domain 50; Gamma-CTF(50); C31

### Protein Construction

A DNA sequence encoding the human APP-751 isoform (NP\_958816.1) (Met 1-Leu 669) was expressed with the C-terminal fused Fc region of human IgG1.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH<sub>2</sub>, (R&D Systems, Catalog # ES002). The IC<sub>50</sub> value is < 1.2 nM.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

## Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Leu 18

### Molecular Mass

The recombinant human APP/Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 890 amino acids and predicts a molecular mass of 101 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rhAPP/Fc monomer is approximately 150-160 kDa due to the glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

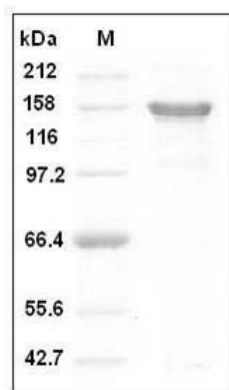
### SDS-PAGE

# Human Amyloid beta A4 protein (Fc Tag)



Catalog Number: 501404

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Human APP / Protease nexin-II Protein (Fc Tag)  
SDS-PAGE