

Active Recombinant Human APP protein, hFc-tagged

Cat. No. APP-586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human APP protein(NP_958816.1) (Met 1-Leu 669) was expressed in HEK293 with the C-terminal fused Fc region of human IgG1.
Species	Human
Source	HEK293
ProteinLength	1-669 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The IC ₅₀ value is < 1.2 nM.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

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.

GENE INFORMATION

Gene Name [APP amyloid beta \(A4\) precursor protein \[Homo sapiens \]](#)

Official Symbol [APP](#)

Synonyms

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;

Gene ID [351](#)

mRNA Refseq [NM_000484](#)

Protein Refseq [NP_000475](#)

MIM [104760](#)

UniProt ID [P05067](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA