

# Recombinant Human Amyloid-beta precursor protein/APP (1-687) Protein

Catalog No.: RP01699 Recombinant 1 Publications

# **Sequence Information**

**Species Gene ID Swiss Prot** Human 351 P05067

**Tags** C-6His

**Synonyms** 

AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma; alphasAPP;APP

# **Product Information**

Source Purification

HEK293 cells ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

78.59 kDa 100-120 kDa

**Endotoxin** 

 $< 0.1 \; \text{EU/}\mu\text{g}$  of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

# Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

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|----------|---------------------------|
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# **Background**

Amyloid  $\beta$  precursor-like protein 2 (APLP2) has been determined to serve an important role in the progression of a number of cancer types. APLP2 expression was significantly associated with disease-specific survival (P<0.001). APLP2 may be used to potentially predict patient prognosis, and to guide clinical diagnosis and treatment in CCRCC.

#### **Basic Information**

#### **Description**

Recombinant HumanAmyloid-beta precursor protein/APP (1-687) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Lys687) of human APP (Accession #NP\_000475.1) fused with a 6×His tag at the C-terminus.

#### **Bio-Activity**

Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2 (Catalog # ES002). The IC50 value is < 0.24 nM.

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

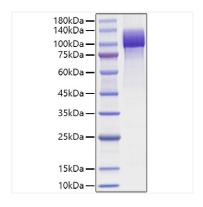
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

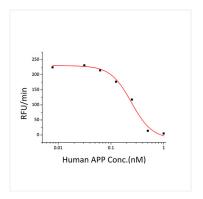
## **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant HumanAmyloid-beta precursor protein/APP (1-687) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human APP inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2 (Catalog # ES002). The IC50 value is < 0.24 nM, as measured with under the described conditions.