

RP01699

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

Catalog No.: RP01699

Recombinant

1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	351	P05067

Tags

C-6His

Synonyms

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

Product Information

Source

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 95 % as determined by SDS-PAGE.

Endotoxin

< 0.1 EU/μg 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.

Background

Amyloid β 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 Human Amyloid-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

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

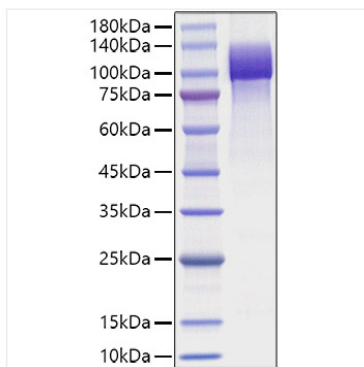
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Contact

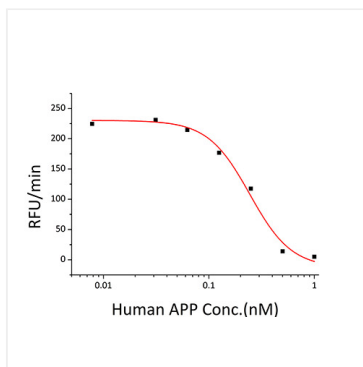


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Validation Data



Recombinant Human Amyloid-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.