Active Recombinant Human APP protein, His-tagged

Cat. No. APP-2876H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APP protein(Asp 672-Val 711), fused with His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	Asp 672-Val 711
Form	Lyophilized from 0.22 μm filtered solution in PBS, 0.2 M Arginine, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human Abeta40, His Tag at 5 μg/mL (100 μL/well) can bind Aducanumab with a linear range of 0.2-2 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 6.3 kDa. The protein migrates as 11 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at-20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after storage

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	at:-20°C to-70°C for 12 months in lyophilized state;-70°C for 3 months under sterile conditions after reconstitution.
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

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