

Amyloid beta A4 protein (APP) Recombinant Protein | APP recombinant protein

Recombinant Human Amyloid beta A4 protein (APP) Protein

CATALOG #
AAA55975

HOST
E Coli

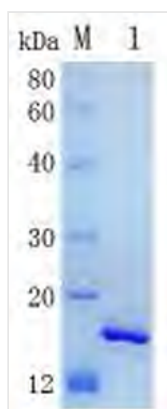
PRODUCT SYNONYMS

Amyloid beta A4 protein (APP); Recombinant Human Amyloid beta A4 protein (APP) Protein; ABPP; APPI; APP; A4; AD1; APP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% as determined by SDS-PAGE
Form/Format	58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, 300 mM Imidazole, added with 15% glycerol
Concentration	1.2 mg/mL (varies by lot)
Sequence	DAEFRHDSGY EVHHQKLKLVFF AEDVGSNKGK IIGLMVGGVV IATVIVITLV MLKKKQYTSI HHGVVEVDAA VTPEERHLSK MQQNGYENPT YKFFEQMQN
Sequence Length	770
Source	Human
Protein Residues	with N-terminal 6*His-tag
Amino Acids	653-751
Usage	Centrifuge the standard vial at 6000-10000rpm for 30s
Preparation and Storage	Store under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. The recombinant protein is stable for up to 6 months from date of receipt at -80°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for APP recombinant protein	Amyloid precursor protein (APP) is an integral membrane protein expressed in many tissues and concentrated in the synapses of neurons. Its primary function is not known, though it has been implicated as a regulator of synapse formation and neural plasticity. APP is best known and most commonly studied as the precursor molecule whose proteolysis generates amyloid beta (A?), a 39- to 42-amino acid peptide whose amyloid fibrillar form is the primary component of amyloid plaques found in the brains of Alzheimer's disease patients. Several alternative splicing isoforms of APP have been observed in humans, ranging in length from 365 to 770 amino acids, with certain isoforms preferentially expressed in neurons; changes in the neuronal ratio of these isoforms have been associated with Alzheimer's disease
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502167
NCBI GeneID	351
NCBI Accession #	NP_000475.1
NCBI GenBank Nucleotide #	NM_000484.3
UniProt Accession #	P05067; P09000; P78438; Q13764; Q13778; Q13793; Q16011; B2R5V1; B4DII8; D3DSD1; D3DSD2; D3DSD3
Molecular Weight	Predicted MW: 17 kDa Observed MW: 17 kDa
NCBI Official Full Name	amyloid beta A4 protein isoform a
NCBI Official Synonym Full Names	amyloid beta precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma
NCBI Protein Information	amyloid beta A4 protein
UniProt Protein Name	Amyloid beta A4 protein
UniProt Gene Name	APP
UniProt Synonym Gene Names	A4; AD1; APP; CVAP; PN-II; S-APP-alpha; S-APP-beta; AICD-59; AID(59); AICD-57; AID(57); AICD-50; AID(50)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.