

APP recombinant protein

APP, 18-289aa, Human, His tag, E Coli

CATALOG # AAA48718	HOST E Coli	APPLICATIONS SDS-Page
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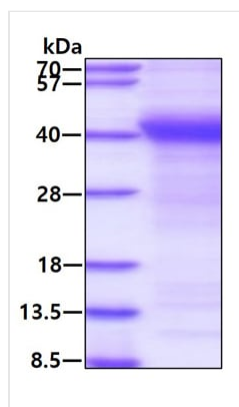
PRODUCT SYNONYMS

APP; 18-289aa; Human; His tag; E Coli; Amyloid beta A4 protein; AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; CTFgamma; APP recombinant protein

PRODUCT SPECIFICATIONS

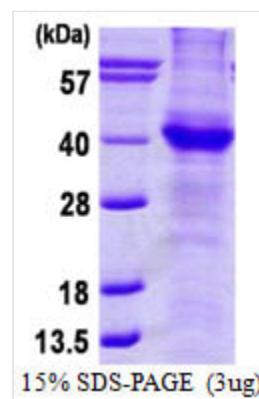
Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSLEVP TDGNAGLLAE PQIAMFCGRL NMHMNVQNGK WSDPSGTKT CIDTKEGILQ YCQEVPELQ ITNVVEANQP VTIQNWCKRG RKQCKTHPHF VIPYRCLVGE FVSDALLVPD KCKFLHQERM DVCETHLHWH TVAKETCEK STNLHDYGML LPCGIDKFRG VEFVCCPLAE ESDNVDSADA EEDSDVWWG GADTDYADGS EDKVVEVAEE EEVAEVEEEE ADDEDDEDG DEVEEEAEEP YEEATERTTS IATTTTTTTE SVEEVVRE
Sequence Length	770
Applicable Applications for APP recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	18-289aa
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for APP recombinant protein	APP, also known as amyloid beta A4 protein, functions as a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Recombinant human APP protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for APP recombinant protein	Neuroscience
References	Kontush A., et al. (2001) Cell. Mol. Neurobiol. 21:299-315; Walter M.F., et al. (2006) Biochem. Biophys. Res. Commun. 233:760-764

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502167
NCBI GeneID	351
NCBI Accession #	NP_000475
NCBI GenBank Nucleotide #	NM_000484.3
UniProt Accession #	P05067; P09000; P78438; Q13764; Q13778; Q13793; Q16011; B2R5V1; B4DII8; D3DSD1; D3DSD2; D3DSD3
Molecular Weight	34.7 kDa (308aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
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; preA4; 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; Beta-CTF; Abeta42; Abeta40; Alpha-CTF; 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.

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Online datasheet: <https://stage.aaabiotech.com/app-recombinant-protein-e-coli-sds-page/48718>