



**Catalog Number:** PR27172

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Synonyms:** Amyloid beta A4 protein, ABPP, APPI, APP, Alzheimer disease amyloid protein, Cerebral vascular amyloid peptide, CVAP, PreA4, Protease nexin-II, PN-II, APP, A4, AD1, AAA, PN2, ABETA, CTFgamma.

**Amino Acid Sequence:** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSLEVP TDGNAGLLAE  
PQIAMFCGRL NMHMNVQNGK WSDSPSGTKT CIDTKEGILQ YCQEVYPELQ  
ITNVVEANQP VTIQNWCKRG RKQCKTHPHF VIPYRCLVGE FVSDALLVPD KCKFLHQERM  
DVCETHLHWH TVAKETCSEK STNLHDYGML LPCGIDKFRG VEFVCCPLAE  
ESDNVDSADA EEDSDVWWG GADTDYADGS EDKVVEVAEE EEVAEVEEEE  
ADDEDEDG DEVEEEAEEP YEEATERSTS IATTTTTTTE SVEEVVRE.

**Description/Molecular Mass:** APP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 308 amino acids (18-289 a.a) and having a molecular mass of 34.7kDa (Molecular size on SDS-PAGE will appear higher).

APP is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

**Format:** APP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

**Storage:** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.  
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).  
Avoid multiple freeze-thaw cycles.

### FOR RESEARCH USE ONLY

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