9051 Mira Mesa Blvd, #910094
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APP Human

Amyloid beta (A4) Precursor Protein Human Recombinant
RCP0084

Product Overview

Name	APP Human
Description	
Amyloid beta (A4) Precursor Protein Human Recombinant	
Accession (Primary)	P05067
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.	
Introduction	
Amyloid beta A4 protein (APP) functions as a cell surface receptor and transmembrane precursor protein which is cleaved by secretases to form a number of peptides. A number of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to stimulate transcriptional activation, whereas others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. APP gene mutations are implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
APP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS LEVP TDGNAGLLAE PQIAMFCGRL NMHMNVQNGK WDSDPSGTKT CIDTKEGILQ YCQEVYPELQ ITNVVEANQP VTIQNWCKRG RKQCKTHPHF VIPYRCLVGE FVSDALLVPD KCKFLHQERM DVCETHLHWH TVAKETCSEK STNLHDYGML LPCGIDKFRG VEFVCCPLAE	

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ESDNVDSADA EEDDSDVWWG GADTDYADGS EDKVVEVAEE EEVAEVEEEE ADDDEDDEDG DEVEEEAEEP YEEATERTTS IATTTTTTTE SVEEVVRE.

Precautions

APP Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05067)