APP, 18-289aa, Human, His tag, E.coli

Cat.NO.: TP01201

3th Edition

Synonyms: Amyloid beta A4 protein, AAA, AD1, PN2, ABPP, APPI, CVAP, ABETA, CTFgamma.

Description: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.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight:34.7 kDa (308aa) confirmed by MALDI-TOF

Sequences:
MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSLEVPTDGNAGLLAEPQIAMFCGRLNMHMNVQNGKW
DSDPSGTKTCIDTKEGILQYCQEVYPELQITNVVEANQPVTIQNWCKRGRKQCKTHPHFVIPYRCLVGEFVSDALLV
PDKCKFLHQERMDVCETHLHWHTVAKETCSEKSTNLHDYGMLLPCGIDKFRGVEFVCCPLAEESDNVDSADAEED
DSDVWWGGADTDYADGSEDKVVEVAEEEEVAEVEEEEADDDEDDEDGDEVEEEAEEPYEEATERTTSIATTTTTT
TESVEEVVRE

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.