



Recombinant *Macaca mulatta* (Rhesus macaque) Amyloid beta A4 protein (APP)

Product Code	CSB-BP001950MOW
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P29216
Product Type	Recombinant Protein
Immunogen Species	<i>Macaca mulatta</i> (Rhesus macaque)
Purity	≥85% (SDS-PAGE)
Sequence	EVCSEQAETG PCRAMISRWY FDVTEGKCAP FFYGGCGGNR NNFDTEEYCM AVCGSVMSQS LRKTTREPLT RDPVKL
Source	Baculovirus
Target Names	APP
Protein Names	Recommended name: Amyloid beta A4 protein Alternative name(s): ABPP Short name= APP Alzheimer disease amyloid A4 protein homolog
Expression Region	1-76
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes 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). Multiple transcript variants encoding several different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.