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32-17572: Human APP Protein, His Tag

Uniprot ID : P05067
Alternative Name : AAA,ABETA,ABPP,AD1,APPI,CTFgamma,CVAP,PN-II,PN2,preA4

Description

Molecular Weight: Human APP protein has a predicted molecular mass of 74.6 kDa after removal of the signal peptide.The apparent molecular mass of APP-His is approximately 100-130 kDa due to glycosylation.

Molecular Characterization: APP(Leu18-Val669) 6×His Tag

Human APP 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. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. 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.

Product Info

Amount :	10 µg / 50 µg
Purification :	The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Formulation and Reconstitution: Lyophilized from sterile PBS, pH 7.4. Normally 5 % â€“ 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

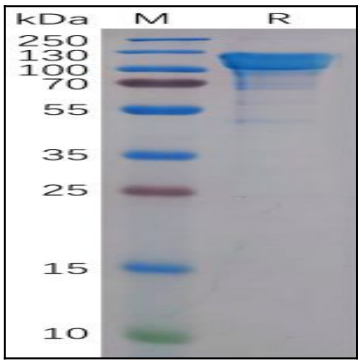


Figure 1. Human APP Protein, His Tag on SDS-PAGE under reducing condition.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.