

Datasheet for ABIN7092740

**APP Protein (AA 18-669) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	APP
Protein Characteristics:	AA 18-669
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APP protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human APP Protein with C-terminal 6xHis tag
Specificity:	APP (Leu18-Val669) 6xHis Tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	APP
Alternative Name:	APP ( <a href="#">APP Products</a> )
Background:	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved

## Target Details

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. [provided by RefSeq, Aug 2014]

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

**UniProt:** [P05067](#)

**Pathways:** [Caspase Cascade in Apoptosis](#), [EGFR Signaling Pathway](#), [Transition Metal Ion Homeostasis](#), [Skeletal Muscle Fiber Development](#), [Toll-Like Receptors Cascades](#), [Feeding Behaviour](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

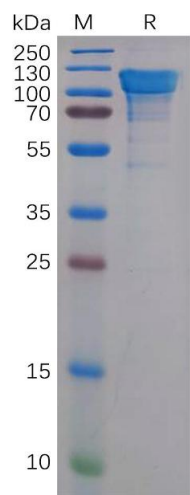
**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Storage:** -20 °C, -80 °C

**Storage Comment:** 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.

**Expiry Date:** 12 months



SDS-PAGE

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