

## General Information

### Protein Construction

A DNA sequence encoding the amino acids (Asp 672-Val 711) of human Amyloid beta A4 protein (APP770) (P05067-1), corresponding to the Beta-amyloid protein 40, was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to bind biotinylated recombinant human AGER (Cat:503381) in a functional ELISA.

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant human Beta-APP40/GST chimera consists of 278 amino acids and has a calculated molecular mass of 31.8 kDa. It migrates as an approximately 33 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 500mM NaCl, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

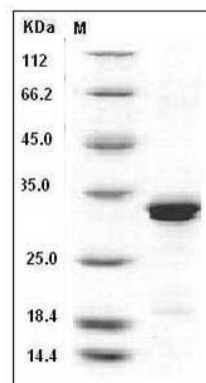
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Beta-amyloid 40 / Beta-APP40 Protein (His & GST Tag) SDS-PAGE