

## General Information

### Protein Construction

A DNA sequence encoding the amino acids (Asp672-Ala713) of human Amyloid beta A4 protein (APP770) (P05067-1), corresponding to the Beta-amyloid protein 42, was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 80 % 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-APP42/GST chimera consists of 280 amino acids and has a calculated

molecular mass of 32.4 KDa. It migrates as an approximately 34 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, 10% glycerol, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

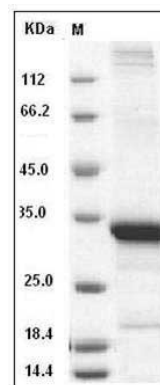
### Storage

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 42 / Beta-APP42 Protein (His & GST Tag) SDS-PAGE