Recombinant Human APP, His-GST tagged

Cat. No. APP-191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APP (P05067-1) (Asp672-Gly709), fused with the N-terminal polyhistidine-tagged GST tag, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	672-709 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 20% glycerol, 0.05% Tween 20, pH 9.5. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant human Beta-APP38/GST chimera consists of 277 amino acids and has a calculated molecular mass of 32.1 KDa. It migrates as an approximately 34 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per μg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.

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Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	APP amyloid beta (A4) precursor protein [Homo sapiens]
Official Symbol	APP
Gene ID	351
mRNA Refseq	NM_000484
Protein Refseq	NP_000475
MIM	104760
UniProt ID	P05067
Chromosome Location	21q21.2

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