

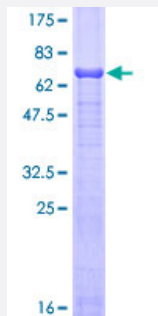
Full-Length

# AHSG (Human) Recombinant Protein (P01)

Catalog # H00000197-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human AHSG full-length ORF ( AAH48198.1, 19 a.a. - 367 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

APHGPGLIYRQPNCDDEPETEEAALVAIDYNQNLPGWGYKHTLNQIDEVKVWPQQPSGELFEIEIDTL  
ETTCHVLDPTPVARCSVRQLKEHAVEGDCDFQLLKLDGKFSVVYAKCDSSPSAEDVRKVCQD  
CPLLAPLNDTRVVHAAKAALAAFNQNGSNFQLEEISRAQLVPLPPSTYFTVSGTDCVAKA  
TEAAKCNLLAEKQYGFCKATLSEKLGGAEVAVTCTVFQTQPVTSQPQPEGANEAVPTPVVDPDA  
PPSPPLGAPGLPPAGSPDASHVLLAAPPQGHQLHRAHYDLRHTFMGVVSLGSPSGEVSHPRKTR  
TVVQPSVGAAAGPVVPPCPGRIRHFKV

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

64.13

### Interspecies Antigen Sequence

Mouse (57)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — AHSG

**Entrez GeneID**[197](#)**GeneBank Accession#**[BC048198](#)**Protein Accession#**[AAH48198.1](#)**Gene Name**

AHSG

**Gene Alias**

A2HS, AHS, FETUA, HSGA

**Gene Description**

alpha-2-HS-glycoprotein

**Omim ID**[138680](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Alpha2-HS glycoprotein (AHSG), a glycoprotein present in the serum, is synthesized by hepatocytes. The AHSG molecule consists of two polypeptide chains, which are both cleaved from a proprotein encoded from a single mRNA. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. The protein is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, and it has therefore been postulated that it participates in the development of the tissues. However, its exact significance is still obscure. [provided by RefSeq]

**Other Designations**

Alpha-2HS-glycoprotein|fetuin-A

## Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Coronary Disease](#)
- [Delayed Graft Function](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Malnutrition](#)
- [Metabolic Syndrome X](#)
- [Nephrolithiasis](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Postoperative Complications](#)

- [Thinness](#)
- [Tobacco Use Disorder](#)
- [Vascular Diseases](#)