

Human Leucine-rich Alpha-2-glycoprotein 1

Cat. No. AHSG-1001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Human Fetuin is purified from the human plasma.
Species	Human
Source	Human Plasma
Description	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.
Form	Filtered (0, 4 µm) and lyophilized in 0.5 mg/mL in PBS pH7.4
Purity	>95%
Applications	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein.
Storage	Store lyophilized protein at -20°C . Lyophilized protein remains stable until the expiry date when stored at -20°C . Aliquot reconstituted protein to avoid repeated

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

GENE INFORMATION

Gene Name	AHSG alpha-2-HS-glycoprotein [Homo sapiens]
Official Symbol	AHSG
Synonyms	AHSG; alpha-2-HS-glycoprotein; A2HS; FETUA; HSGA; fetuin-A; alpha-2-Z-globulin; ba-alpha-2-glycoprotein; AHS;
Gene ID	197
mRNA Refseq	NM_001622
Protein Refseq	NP_001613
MIM	138680
UniProt ID	P02765
Chromosome Location	3q27.3
Pathway	BMP receptor signaling, organism-specific biosystem;

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Function

cysteine-type endopeptidase inhibitor activity; kinase inhibitor activity; receptor signaling protein tyrosine kinase inhibitor activity;

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