



[Go to Product page](#)

Datasheet for ABIN1096642

Fetuin A Protein (AA 119-367) (His tag)

Overview

Quantity:	50 µg
Target:	Fetuin A (AHSG)
Protein Characteristics:	AA 119-367
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fetuin A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Fetuin-A/AHSG/α-2-HS-Glycoprotein/AHSG (C-6His)
Sequence:	APHGPGLIYR QPNCDDPETE EAALVAIDYI NQNLPWGYKH TLNQIDEVKV WPQQPSGELF EIEIDTLETT CHVLDPTPVA RCSVRQLKEH AVEGDCDFQL LKLDGKFSVV YAKCDSSPDS AEDVRKVCQD CPLLAPLNDT RVVHAAKAAL AAFNAQNNGS NFQLEEISRA QLVPLPPSTY VEFTVSGTDC VAKEATEAAK CNLLAEKQYG FCKATLSEKL GGAEVAVTCT VFQTQPVT SQ PQPEGANEAV PTPVVDPDAP PSPPLGAPGL PPAGSPDSDH VLLAAPPGHQ LHRAHYDLRH TFMGVWSLGS PSGEVSHPRK TRTVVQPSVG AAAGPVVPPC PGRIHFVKV DHHHHHH
Characteristics:	Recombinant Human alpha-2-HS-Glycoprotein/AHSG produced by transfected human cells is a secreted protein with sequence (Ala119-Val367) of Human AHSG fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target: Fetuin A (AHSG)

Alternative Name: fetuin-a ([AHSG Products](#))

Sub Type: Fusionprotein

Background: Alpha-2-HS Glycoprotein (AHSG) is a glycoprotein that is composed of two subunits, the A and B chains, belongs to the Cystatin family of proteases inhibitors. It is highly expressed in embryonic cells and adult hepatocytes, and is expressed to a lesser extent in monocytes/macrophages. AHSG is an important circulating inhibitor of calcification in vivo, and is downregulated during the acute-phase response. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. In addition, AHSG may influence the resolution of inflammation by modulating the phagocytosis of apoptotic cells by macrophages. ASHG blocks TGF-beta-dependent signaling in osteoblastic cells.

Alternative Names: Alpha-2-HS-Glycoprotein, Alpha-2-Z-Globulin, Ba-Alpha-2-Glycoprotein, Fetuin-A, AHSG, FETUA

Molecular Weight: 38.36 kDa

UniProt: [P02765](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 7.5.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Handling

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months