Fetuin A/AHSG Human HEK293 cells

Product Data Sheet

Type: Recombinant
Source: HEK293 cells
Species: Human
Other names: Alpha-2-HS-glycoprotein, Alpha-2-Z-globulin, Ba-alpha-2-glycoprotien

Cat. No.:

RBG10131010	(10 µg)
RBG10131050	(50 µg)
RBG10131100	(100 µg)

Description

Fetuin A/AHSG is a human plasma glycoprotein belonging to the Cystatin family of protease inhibitors. It is highly expressed in embryonic cells and adult hepatocytes, and is expressed to a lesser extent in monocytes/macrophages. Fetuin A/AHSG is a major serum protein component that exerts various calcium-dependent physiological activities, and can mediate growth signaling in certain tumor cells. It also can act as a natural antagonist against specific TGF-beta and BMP signaling proteins, Recombinant Human Fetuin A is a heterodimeric protein containing a 282 amino acid A chain and a 27 amino acid B chain. The calculated molecular weight of Recombinant Human Fetuin A is 32.9 kDa. Due to glycosylation, recombinant Fetuin A migrates at an apparent molecular weight of 45-55 kDa by SDS-PAGE run under non-reducing conditions.

Research topic

Bone and cartilage metabolism, Oncology

Source

HEK293 cells

Purity

98%

Biological Activity

Determined by its ability to inhibit Cathespin V cleavage of a fluorogenic peptide substrate Z-LR-AMC (RLUs). The expected IC_{50} is 100nM.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

-20°C

HEADQUARTERS: BioVendor Laboratorní medicína, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: info@biovendor.com sales@biovendor.com Web: www.biovendor.com
AUSTRIA: BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail: infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail: infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail: infoUSA@biovendor.com