

Recombinant Human Fetuin A/AHSG
Catalog # PBG10090**Specification**

Recombinant Human Fetuin A/AHSG - Product Information**Recombinant Human Fetuin A/AHSG - Additional Information****Description**

Fetuin A/AHSG is a human plasma glycoprotein belonging 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. 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- β 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. Due to glycosylation, recombinant Fetuin-A migrates at an apparent molecular weight of 45 – 55 kDa by SDS-PAGE run under non-reducing conditions.

Biological Activity

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

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

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

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human Fetuin A/AHSG is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human Fetuin A/AHSG - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant Human Fetuin A/AHSG - Images