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32-13024: AHSG Mouse

Alternative Name : Alpha-2-HS-glycoprotein, Countertrypin, Fetuin-A.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
AHSG (fetuin-A) which is a glycoprotein present in the serum, is synthesized by hepatocytes. AHSG is one of the fetuin class of plasma binding proteins. It is involved in a number of functions, such as endocytosis, brain development and the formation of bone tissue. It is usually present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, hence it has been postulated that it participates in the development of the tissues. Yet, its exact significance is still vague. AHSG promotes endocytosis, hold opsonic properties and influences the mineral phase of the bone. Affinity for calcium and barium ions has been shown.
AHSG produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 333 amino acids (19-345.a.) and having a molecular mass of 36.1kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). AHSG is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	AHSG protein solution (0.25mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Amino Acid :	APQGTGLGFR ELACDDPEAE QVALLAVDYL NNHLLQGFKQ VLNQIDKVKV WSRRPFGVVY EMEVDTLETT CHALDPTPLA NCSVRQLTEH AVEGDCDFHI LKQDGQFRVM HTQCHSTPDS AEDVRKLCPR CPLLTPFNDT NVVHTVNTAL AAFNTQNNGT YFKLVEISRA QNVPLPVSTL VEFVIAATDC TAKEVTDPAK CNLLAEKQHG FCKANLMHNL GGEEVSVACK LFQTQPQPAN ANAVGPVPTA NAALPADPPA SVVVGPVVVP RGLSDHRTYH DLRHAFSPVA SVESASGETL HSPKVGQPGA AGPVSPMCPG RIRHFKIHHH HHH.

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