
Product Data Sheet

Product Name: AHSG Mouse
 Cat. No.: GP22696
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Alpha-2-HS-glycoprotein; Countertrypin; Fetuin-A.		
Amino Acid Sequence	APQGTGLGFR ELACDDPEAE QVALLAVDYL NNHLLQGFKQ VLNQIDKVKVWSRRPFGVVY EMEVDTLETT CHALDPTPLA NCSVRQLTEH AVEGDCDFHI LKQDGQFRVM HTQCHSTPDSAEDVRKLCPR CPLLT PFNDT NVVHTVNTAL AAFNTQNGT YFKLVEISRA QNVPLPVSTL VEFVIAATDCTAKEVTDPAK CNLLAEKQHG FCKANLMHNL GGEEVSVACK LFQTQPQPAN ANAVGPVPTA NAALPADPPASVVVGPVVVP RGLSDHRTYH DLRHAFSPVA SVESASGETL HSPKVGQPGA AGPVSPMCPG RIRHFKIHHHHHH.		
Formulation	AHSG protein solution (0.25mg/ml) contains phosphatebuffered saline (pH7.4) and 10% glycerol.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4weeks.Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrierprotein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA).

Background

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.

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