9051 Mira Mesa Blvd, #910094
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AHSG Human

Alpha-2-HS-Glycoprotein Human Recombinant
RCP0032

Product Overview

Name	AHSG Human
Description	
Alpha-2-HS-Glycoprotein Human Recombinant	
Accession (Primary)	P02765
Synonyms	
PRO2743, A2HS, AHS, FETUA, HSGA, Alpha-2-HS-glycoprotein, Alpha-2-Z-globulin, Ba-alpha-2-glycoprotein, Fetuin-A.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
AHSG protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol 0.1M NaCl and 1mM DTT.	
Stability	
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). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS APHGPGL IYRQPNCDDP ETEEAALVAI DYINQNLPWG YKHTLNQIDE VKVWPQQPSG ELFEIEIDTL ETTCHVLDPT PVARCSVRQL KEHAVEGDCD FQLLKLDGKF SVVYAKCDSS	

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PDSAEDVRKV CQDCPLLAPL NDTRVVHAAK AALAAFNAQN NGSNFQLEEI SRAQLVPLPP STYVEFTVSG TDCVAKEATE AAKCNLLAEK QYGFCKATLS EKLGGAEVAV TCTVFQTQPV TSQPQPEGAN EAVPTPVVDP DAPPSPPLGA PGLPPAGSPP DSHVLLAAPP GHQLHRAHYD LRHTFMGVVS LGSPSGEVSH PRKTRTVVQP SVGAAAGPVV PPCPGRIRHF KV.

Precautions

AHSG Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02765)