AHSG Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	AHSG, Lysate
Full Product Name	Human AHSG Protein Lysate
Product Gene Name	AHSG lysate
Product Synonym Names	AHSG; A2HS; AHS; FETUA; HSGA
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	39kDa
OMIM	138680
3D Structure	ModBase 3D Structure for P02765
Related Product Information for AHSG lysate	Human AHSG Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of AHSG lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AHSG purchase	MBS137035 is a lysate targeting AHSG. Also known as Human AHSG Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AHSG. It may not necessarily be applicable to this product.

NCBI GI #	156523970
NCBI GeneID	197
NCBI Accession #	NP_001613
UniProt Primary Accession #	P02765
UniProt Related Accession #	P02765
GenBank Nucleotide #	NM_001622
NCBI Official Full Name	alpha-2-HS-glycoprotein isoform 2 preproprotein
NCBI Official Synonym Full Names	alpha 2-HS glycoprotein
NCBI Official Symbol	AHSG
NCBI Official Synonym Symbols	AHS; A2HS; HSGA; APMR1; FETUA
UniProt Protein Name	Alpha-2-HS-glycoprotein
UniProt Synonym Protein Names	Alpha-2-Z-globulin; Ba-alpha-2-glycoprotein; Fetuin-ACleaved into the following 2 chains:Alpha-2-HS-glycoprotein chain A; Alpha-2-HS-glycoprotein chain B

Protein Family	Alpha-2-HS-glycoprotein
UniProt Gene Name	AHSG
UniProt Synonym Gene Names	FETUA
UniProt Entry Name	FETUA_HUMAN
NCBI Protein Information	alpha-2-HS-glycoprotein
NCBI Summary for AHSG	The protein encoded by this gene is a negatively-charged serum glycoprotein that is synthesized by hepatocytes. The encoded protein consists of two polypeptide chains, which are both cleaved from a proprotein encoded from a single mRNA. It is involved in several processes, including endocytosis, brain development, and the formation of bone tissue. Defects in this gene are a cause of susceptibility to leanness. [provided by RefSeq, Aug 2017]
UniProt Comments for AHSG	FETUA: Promotes endocytosis, possesses opsonic properties and influences the mineral phase of bone. Shows affinity for calcium and barium ions. Alpha-2-HS glycoprotein derives from this precursor, when the connecting peptide is cleaved off. The two chains A and B are held together by a single disulfide bond. Synthesized in liver and selectively concentrated in bone matrix. Secreted in plasma. It is also found in dentin in much higher quantities than other plasma proteins. Belongs to the fetuin family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 3q27 Cellular Component: extracellular space; extracellular region Molecular Function: kinase inhibitor activity; cysteine protease inhibitor activity Biological Process: negative regulation of bone mineralization; pinocytosis; ossification; positive regulation of phagocytosis; regulation of inflammatory response; acute-phase response; negative regulation of insulin receptor signaling pathway; negative regulation of phosphorylation; regulation of bone mineralization; skeletal development
Research Articles on AHSG	**1.** Serum levels of Fetuin-A were not associated with the disease progression of calcific aortic valve stenosis.
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