Fetuin A (FETUA) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fetuin A (FETUA), Recombinant Protein
Full Product Name	Recombinant Mouse Fetuin A Protein
Product Gene Name	FETUA recombinant protein
Product Synonym Gene Name	AHSG
Product Synonym Names	Alpha-2-HS-glycoprotein; Alpha-2-Z-globulin; Ba-alpha-2-glycoprotein; Fetuin-A
Sequence	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 HHHHHHH
Host	Human Cells
Form/Format	Lyophilized from a 0.2 mum filtered solution of 20mM Tris, 150mM NaCl, pH7.5.
Purity/Purification	>95% as determined by reducing SDS-PAGE
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
3D Structure	ModBase 3D Structure for P29699
Endotoxin	Less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Applications Tested/Suitable for FETUA recombinant protein	ELISA (EIA), Western Blot (WB), SDS-PAGE
Related Product Information for FETUA recombinant protein	Recombinant Mouse Fetuin A Protein is produced by mammalian expression system and the target gene encoding Ala19-Ile345 is expressed with a 10His tag at the N-terminus.
Other Notes	Small volumes of FETUA recombinant protein 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 FETUA purchase	MBS8305245 is a recombinant protein targeting FETUA. Also known as Recombinant Mouse Fetuin A Protein. Host: Human Cells.

ADDITIONAL DETAILS

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

NCBI GI #	7304875
NCBI GeneID	11625
NCBI Accession #	NP_038493.1
UniProt Primary Accession #	P29699
UniProt Related Accession #	P29699
GenBank Nucleotide #	NP_038493.1
NCBI Official Full Name	alpha-2-HS-glycoprotein isoform 1

NCBI Official Synonym Full Names	alpha-2-HS-glycoprotein
NCBI Official Symbol	Ahsg
UniProt Protein Name	Alpha-2-HS-glycoprotein
UniProt Synonym Protein Names	Countertrypin; Fetuin-A
Protein Family	Alpha-2-HS-glycoprotein
UniProt Gene Name	Ahsg
UniProt Synonym Gene Names	Fetua
UniProt Entry Name	FETUA_MOUSE
NCBI Protein Information	alpha-2-HS-glycoprotein
UniProt Comments for FETUA	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; Secreted, signal peptide Cellular Component: extracellular matrix; extracellular space; protein complex Molecular Function: endopeptidase inhibitor activity; receptor signaling protein tyrosine kinase inhibitor activity Biological Process: acute-phase response; male gonad development; negative regulation of bone mineralization; negative regulation of cell growth; negative regulation of insulin receptor signaling pathway; ossification; positive regulation of bone resorption; positive regulation of phagocytosis; protein complex assembly; regulation of inflammatory response
Research Articles on FETUA	**1.** both FGF23 and Fetuin-A are present and strictly linked to each other in MSCs with FGF23 driving Fetuin-A production. This mechanism suggests a role for these two proteins in the osteoblast differentiation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/fetua-recombinant-protein/fetuin-a/8305245