

Product datasheet for **TP723089**

Fetuin A (AHSG) (NM_001622) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human alpha-2-HS-glycoprotein (AHSG).
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	A-Chain: APHGPGLIYR QPNCDDPETE EAALVAIDYI NQNLPWGYKH TLNQIDEVKV WPQQPSGELF EIEIDTLETT CHVLDPTPVA RCSVRQLKEH AVEGDCDFQL LKLDGKFSVV YAKCDSSPDS AEDVRKVCQD CPLLAPLNDT RVVHAAKAAL AAFNAQNNGS NFQLEEISRA QLVPLPPSTY VEFTVSGTDC VAKEATEAAK CNLLAEKQYG FCKATLSEKL GGAEVAVTCT VFQTQPVTSQ PQPEGANEAV PTPVDPDAP PSPPLGAPGL PPAGSPDSDH VL B-Chain: TVVQPSVGAA AGPVPPCPG RIRHFKV
Tag:	Tag Free
Predicted MW:	39.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to inhibit Cathespin V cleavage of a fluorogenic peptide substrate Z-LR-AMC (RLUs). The expected IC ₅₀ is less than or equal to 100nM.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001613
Locus ID:	197
UniProt ID:	P02765
RefSeq Size:	1594
Cytogenetics:	3q27.3
RefSeq ORF:	1101



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Synonyms: A2HS; AHS; APMR1; FETUA; HSGA

Summary: 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]

Protein Families: Druggable Genome, Secreted Protein