

# Product Data Sheet

## Recombinant Human AHSG Protein

Catalog #	Source	Reactivity	Applications
CRP1030	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human AHSG Protein is produced by our Mammalian expression system and the target gene encoding Ala19-Val367 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.		
<b>Gene Symbol</b>	AHSG		
<b>Alternative Names</b>	FETUA; Alpha-2-HS-glycoprotein; Alpha-2-Z-globulin; Ba-alpha-2-glycoprotein; Fetuin-A		
<b>Entrez Gene</b>	197 (Human)		
<b>SwissProt</b>	P02765 (Human)		
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
<b>Chemical Structure</b>	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 PTPVVDPDAP PSPPLGAPGL PPAGSPPDSH VLLAAPPGHQ LHRAHYDLRH TFMGVVSLGS PSGEVSHPRK TRTVVQPSVG AAAGPVVPPC PGRIRHFKVV DHHHHHH		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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### Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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