

Active Recombinant Mouse Ahsg protein(Met1-Ile345), His-tagged

Cat. No. Ahsg-705M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse AHSG (NP_038493.1) precursor (Met1-Ile 345) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ile345
Form	Lyophilized from sterile 25mM Tris, 0.15mM NaCl, pH 7.8. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The IC ₅₀ value is <200 nM.
Molecular Mass	The secreted recombinant mouse AHSG consists of 338 amino acids and has a predicted molecular mass of 36.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm AHSG is approximately 50 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
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GENE INFORMATION

Gene Name	Ahsg alpha-2-HS-glycoprotein [<i>Mus musculus</i>]
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Official Symbol	Ahsg
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Synonyms	AHSG; alpha-2-HS-glycoprotein; countertrypsin; fetuin-A;
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Gene ID	11625
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mRNA Refseq	NM_013465
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Protein Refseq	NP_038493
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