

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Mouse AHSG (NP_038493.1) precursor (Met1-Ile 345) was expressed in HEK293 with a polyhistidine tag at the C-terminus.                                                                                                           |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Met1-Ile345                                                                                                                                                                                                                                 |
| <b>Form</b>             | 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.                                                                           |
| <b>Bio-activity</b>     | 1. Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH <sub>2</sub> . The IC <sub>50</sub> value is <200 nM.                                                                |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                             |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                            |

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|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b> | 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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| <b>Reconstitution</b> | 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

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| <b>Gene Name</b> | Ahsg alpha-2-HS-glycoprotein [ <i>Mus musculus</i> ] |
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| <b>Official Symbol</b> | Ahsg |
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| <b>Synonyms</b> | AHSG; alpha-2-HS-glycoprotein; countertrypsin; fetuin-A; |
|-----------------|----------------------------------------------------------|

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| <b>Gene ID</b> | 11625 |
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| <b>mRNA Refseq</b> | NM_013465 |
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| <b>Protein Refseq</b> | NP_038493 |
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