

## Active Recombinant Human A2M protein, His-tagged

Cat. No. A2M-6857H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human A2M protein(NP_000005.2)(Met1-Ala1474), fused with His tag, was expressed in Insect Cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Met1-Ala1474
<b>Form</b>	Supplied as sterile 20mM Tris,150mM NaCl, 20% glycerol, pH 7.4Please contact us for any concerns or special requirements.Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	Measured by its ability to trap trypsin. The trapped trypsin is no longer able to interact with protein substrates or inhibitors, but still able to cleave small peptide substrates or inhibitors.The IC50 value is <5 nM.
<b>Molecular Mass</b>	The recombinant human A2M consists of 1461 amino acids and predicts a molecular mass of 164 kDa. The apparent molecular mass of rhA2M is approximately 160-170 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 85 % 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.

**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.

## GENE INFORMATION

<b>Gene Name</b>	A2M alpha-2-macroglobulin [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	A2M
<b>Synonyms</b>	A2M; alpha-2-macroglobulin; CPAMD5; FWP007; S863 7; alpha-2-M; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5; A2MD; S863-7; DKFZp779B086;
<b>Gene ID</b>	2
<b>mRNA Refseq</b>	NM_000014
<b>Protein Refseq</b>	NP_000005
<b>MIM</b>	103950
<b>UniProt ID</b>	P01023

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