

Active Recombinant Human A2M protein, His-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human A2M protein(NP_000005.2) (Met 1-Ala 1474) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-1474 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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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.

protein Refseq-Weblink

http://www.ncbi.nlm.nih.gov/protein/NP_000005.2

Unit ID

P01023

Unit ID-Weblink

<http://www.uniprot.org/uniprot/P01023>

GENE INFORMATION

Gene Name

A2M alpha-2-macroglobulin [Homo sapiens]

Official Symbol

A2M

Synonyms

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;

Gene ID

2

mRNA Refseq

[NM_000014](#)

protein Refseq

NP_000005

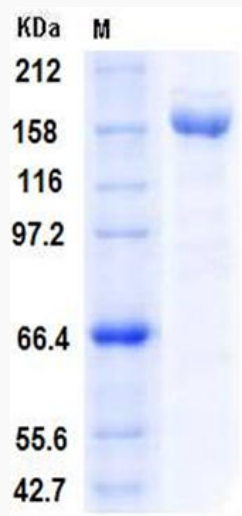
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SDS-PAGE

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