

Human Alpha-2-Macroglobulin

Cat. No. A2M-4176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human A2M is a tetrameric glycoprotein, produced in Human plasma and having a molecular mass of 725 kDa.
Species	Human
Source	Human
Description	A2M is a serine proteases inhibitor, which inhibits coagulation by inactivating thrombin and Kallikrein, it inhibits fibrinolysis by inactivating plasmin and involved in insulin transport. A2M is a large plasma protein, which is produced by the liver.
Form	Lyophilized from 0.02 M TRIS, 0.15 M NaCl and 0.1 M Sucrose, pH 8.0.
Purity	Greater than 96.0%.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Storage	Human A2M although stable at room temperature for 3 weeks, should be stored between 2-8°C.

GENE INFORMATION

Gene Name	A2M alpha-2-macroglobulin [Homo sapiens]
Official Symbol	A2M

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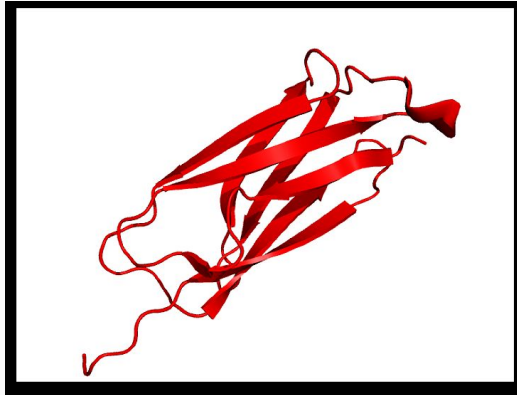
Synonyms	A2M; alpha-2-macroglobulin; CPAMD5; FWP007; S863-7; DKFZp779B086; alpha-2-macroglobulin; alpha-2-M; OTTHUMP00000196829; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5
Gene ID	2
mRNA Refseq	NM_000014
Protein Refseq	NP_000005
MIM	103950
UniProt ID	P01023
Chromosome Location	12p13
Pathway	Complement and Coagulation Cascades; Formation of Fibrin Clot ; Formation of Platelet plug; HDL-mediated lipid transport; Hemostasis; IL6-mediated signaling events; Intrinsic Pathway; Lipid digestion; Lipoprotein metabolism; Metabolism of lipids and lipoproteins; Platelet Activation; Platelet degranulation; Rho GTPase cycle
Function	GTPase activator activity; enzyme binding; growth factor binding; interleukin-1 binding; interleukin-8 binding; protein binding; serine-type endopeptidase inhibitor activity; tumor necrosis factor binding

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