

Native Rat Alpha-2-Macroglobulin

Cat. No. A2m-695R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Rat A2m is prepared from Rat serum.
Species	Rat
Source	Rat serum
Description	Native rat A2m is a large plasma protein found in the blood. A2m is produced by the liver and is a major component of the alpha-2 band in protein electrophoresis.
Form	Lyophilized from 10 mM sodium phosphate buffer, pH 7.2, +10 mM NaCl.
Purity	> 90% as determined by SDS-PAGE analysis
Concentration	Reconstitute with water at 0.5 mg/ml
Molecular Weight	175 kDa
Endotoxin Level	1 eu/ug of protein
Storage	Store at -80°C. Stable for 1 year. Avoid repeated freeze-thaw cycles.
Pathways	Complement and Coagulation Cascades; Formation of Fibrin Clot (Clotting Cascade); Hemostasis; Intrinsic Pathway; Platelet activation; Platelet degranulation; Rho GTPase cycle; Signal Transduction; Signaling by Rho GTPases

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GENE INFORMATION

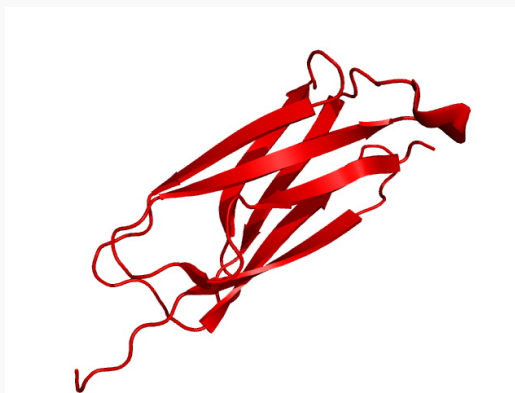
Gene Name	A2malpha-2-macroglobulin [Rattus norvegicus]
Official Symbol	A2m
Synonyms	A2m;alpha-2-macroglobulin; Mam; A2m1; A2maa; A2MAC1; MGC114358;RATA2MAC1; alpha-2-macroglobulin; alpha-2-M; alpha-2-macroglobulin-P
Gene ID	24153
mRNA Refseq	NM_012488
Protein Refseq	NP_036620
MIM	P06238
Chromosome Location	4
Function	endopeptidaseinhibitor activity; enzyme binding; growth factor binding; interleukin-1binding; interleukin-8 binding; peptidase inhibitor activity; receptorbinding; serine-type endopeptidase inhibitor activity; tumor necrosis factorbinding

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**Crystal structure of
alpha-2-
macroglobulin.
Rendered from
PDB2P9R.**



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