

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](#)

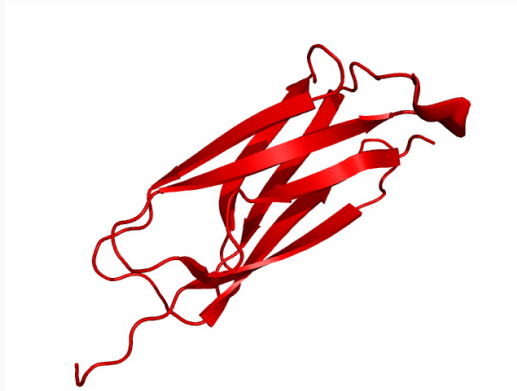
Function [endopeptidaseinhibitor activity](#); [enzyme binding](#); [growth factor binding](#); [interleukin-1binding](#); [interleukin-8 binding](#); [peptidase inhibitor activity](#); [receptorbinding](#); [serine-type endopeptidase inhibitor activity](#); [tumor necrosis factorbinding](#)


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



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