

Datasheet for ABIN5713188

alpha 2 Macroglobulin Protein (AA 620-750, partial) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	alpha 2 Macroglobulin (A2M)
Protein Characteristics:	AA 620-750, partial
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This alpha 2 Macroglobulin protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	LIYDLLPVKD LTGFPQGADQ REEDTNGCVK QNDTYINGIL YSPVQNTNEE DMYGFLKDMG LKVFTNSNIR KPKVCERLRD NKGIPAAAYHL VSQSHMDAFL ESSESPTETR RSYFPETWIW DLVVVDSAGV A
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	alpha 2 Macroglobulin (A2M)
Alternative Name:	A2MG (A2M Products)
Background:	Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. This protein has a peptide stretch, called the 'bait region' which contains specific cleavage sites for different

Target Details

proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme rains active against low molecular weight substrates (activity against high molecular weight substrates is greatly reduced). Following cleavage in the bait region a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase.

Molecular Weight: 16.9 kDa

UniProt: [P06238](#)

Pathways: [Lipid Metabolism](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

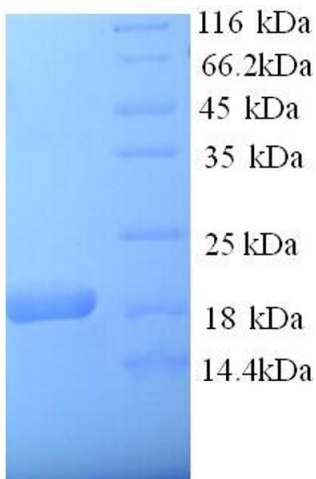
Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.