

Product datasheet

Recombinant Human alpha 2 Macroglobulin protein ab157817

[1 Image](#)

Description

Product name	Recombinant Human alpha 2 Macroglobulin protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	DCINRHNVIYINGITYTPVSSSTNEKDMYSFLEDMGLKAFTNS KIRKPKMCP QLQQYEMHGPEGLRVGFYESDVMGRGHARLVHVEEPHT ET
Amino acids	641 to 730
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab157817** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	

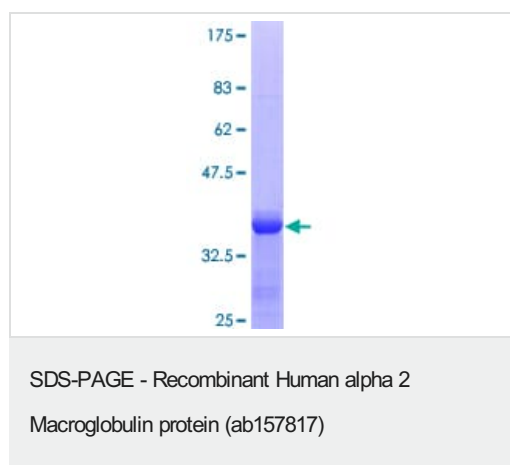
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	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 proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme remains 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.
Tissue specificity	Secreted in plasma.
Sequence similarities	Belongs to the protease inhibitor I39 (alpha-2-macroglobulin) family.
Developmental stage	Contrary to the rat protein, which is an acute phase protein, this protein is always present at high levels in circulation.
Cellular localization	Secreted.

Images



ab157817 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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