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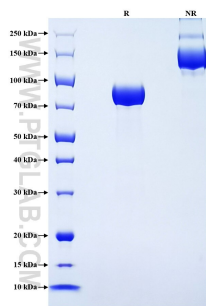
Recombinant Mouse Antithrombin III protein (mFc Tag)



Catalog Number: Eg3967

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse Antithrombin III protein His33-Asn465 (Accession# P32261) with a mouse IgG Fc tag at the N-terminus. GeneID: 11905 Accession: P32261 Predicted Molecular Mass: 76.6 kDa SDS-PAGE: 75-85 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Serpin C1 is a plasma protease inhibitor belonging to the serpin superfamily. It plays a critical role in regulating the blood coagulation cascade and the complement system by inhibiting various activated serine proteases of the coagulation system, including thrombin. It is synthesized in the liver and secreted into the bloodstream, circulating as an inhibitor of serine proteases. Serpin C1 is the major control serpin of the kallikrein-kinin system (KKS), and its deficiency can lead to uncontrolled activation of KKS, resulting in the generation of the vasoactive peptide bradykinin, which is associated with hereditary angioedema (HAE).		
References	1.Drouet C. et al. (2022). Front Allergy. 3:835503. 2.Ponard D. et al. (2020). Hum Mutat. 41(1):38-57.		
Synonyms	Antithrombin-III, At3, ATIII, Serpin C1, Serpinc1		
For technical support and original validation data for this product please contact			
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)		E: proteintech@ptglab.com W: ptglab.com	
		This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.	

Selected Validation Data



Purity of Recombinant Mouse Antithrombin III was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.