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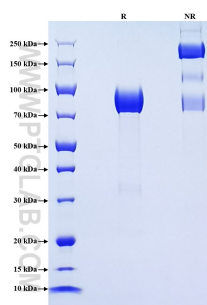
# Recombinant Human Alpha 2-Antiplasmin protein (rFc Tag)



Catalog Number: Eg3041

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human Alpha 2-Antiplasmin protein Met28-Lys491 (Accession# P08697-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 5345</p> <p><b>Accession:</b> P08697-1</p> <p><b>Predicted Molecular Mass:</b> 77.8 kDa</p> <p><b>SDS-PAGE:</b> 80-95 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>SERPINF2 (Serpin Family F Member 2), also known as alpha-2-antifibrinolysis (alpha-2 antiplasmin, AAP), is a member of the serine protease inhibitor (Serpin) superfamily. This protein is a major inhibitor of fibrinolytic enzymes, which degrade fibronectin and various other proteins. Thus, SERPINF2 has an important role in the regulation of the blood coagulation pathway. Mutations in SERPINF2 can lead to alpha-2-fibrinolytic inhibitor deficiency, which is characterized by a severe bleeding tendency and is associated with the development of a variety of diseases including cardiovascular disease, thrombosis, and certain inflammatory disorders.</p>		
References	<ol style="list-style-type: none"><li>1. Onishi S, et al. iScience. 2023;26(8):107271.</li><li>2. Kyung N. Lee, et al. Blood 2004; 103 (10): 3783–3788.</li><li>3. Shao X, et al. J Hypertens. 2019;37(1):197-205.</li><li>4. Viganò S, et al. Thromb Res. 2018;166:60-62.</li></ol>		
Synonyms	Alpha-2-antiplasmin, Serpin F2, a2-antiplasmin, A2AP, AAP		

## Selected Validation Data



Purity of Recombinant Human Alpha 2-Antiplasmin 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.