

For Research Use Only

Recombinant Human APCS protein (His Tag)



Catalog Number: Eg0528

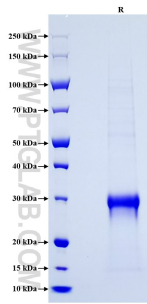
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <1.0 EU/µg protein, LAL method</p> <p>Source: HEK293-derived Human APCS protein His20-Val223 (Accession# P02743) with a His tag at the C-terminus.</p> <p>GeneID: 325</p> <p>Accession: P02743</p> <p>Predicted Molecular Mass: 27.7 kDa</p> <p>SDS-PAGE:</p> <p>Formulation: Lyophilized from sterile 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>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: 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>Serum Amyloid P component (SAP) is a 25 kDa pentameric protein that plays a crucial role in the humoral arm of innate immunity, involved in resistance to bacterial infection and regulation of inflammation. It is an acute-phase reactant, meaning its levels increase in response to inflammation or infection. SAP is also a key component of amyloid deposits in various amyloidosis disorders, making it a potential therapeutic target for these conditions. Additionally, SAP has been shown to bind to Fcγ receptors and opsonize particles for phagocytosis, highlighting its role in immune defense mechanisms.</p>		
References	<div>1. Wang, Haixia et al. Molecular immunology vol. 172 (2024): 1-8.</div> <div>2. Doni,</div>		
Synonyms	SAP, 9.5S alpha 1 glycoprotein, 9.5S alpha-1-glycoprotein, amyloid P component, serum, PTX2		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human APCS was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) condition and stained using Coomassie blue.