

Datasheet for ABIN7275545  
**APCS Protein (AA 20-223) (Fc Tag)**

## 2 Images

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## Overview

Quantity:	100 µg
Target:	APCS
Protein Characteristics:	AA 20-223
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APCS protein is labelled with Fc Tag.

## Product Details

Purpose:	Human Pentraxin 2/SAP Protein
Sequence:	His20-Val223
Characteristics:	Recombinant Human Pentraxin 2/SAP Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains His20-Val223.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Pentraxin 2, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-Pentraxin 2 Antibody, hFc Tag with the EC50 58.2ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	APCS
Alternative Name:	Pentraxin 2 ( <a href="#">APCS Products</a> )
Background:	Pentraxin-2 (PTX-2), also known as serum amyloid P component (SAP/APCS), is a constitutive, antiinflammatory, innate immune plasma protein whose circulating level is decreased in chronic human fibrotic recombinant human PTX-2 (rhPTX-2) retards progression of chronic kidney disease in Col4a3 mutant mice with Alport syndrome, reducing blood markers of kidney failure, enhancing lifespan by 20 % , and improving histological signs of disease. diseases.
Molecular Weight:	50 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P02743</a>

## Application Details

Restrictions:	For Research Use only
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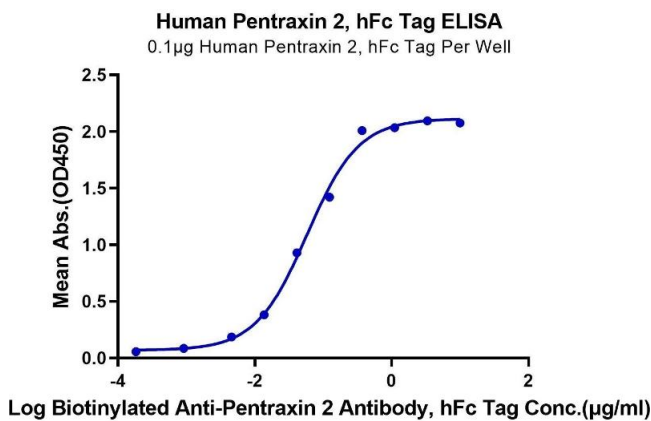
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Human Pentraxin 2/SAP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



ELISA

**Image 2.** Immobilized Human Pentraxin 2, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-Pentraxin 2 Antibody, hFc Tag with the EC50 58.2 ng/mL determined by ELISA.