



## Product Datasheet

<b>Product Name</b>	Amyloid P Component Human Recombinant
<b>Cata No</b>	CB501070
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Serum amyloid P-component, SAP, 9.5S alpha-1-glycoprotein, APCS, PTX2, MGC88159.

### Description

The protein encoded by this gene is a glycoprotein, belonging to the pentaxin family of proteins, which has a characteristic pentameric organization. These family members have considerable sequence homology which is thought to be the result of gene duplication. The binding of the encoded protein to proteins in the pathological amyloid cross-beta fold suggests its possible role as a chaperone. This protein is also thought to control the degradation of chromatin. It has been demonstrated that this protein binds to apoptotic cells at an early stage, which raises the possibility that it is involved in dealing with apoptotic cells in vivo.

Amyloid P Component Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain having a molecular weight of 23.5 kDa.

APCS contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Formulation

APCS at a concentration of 0.1mg/ml containing 10mM Tris, pH 8.0, 0.01% Triton X-100 and 0.002% NaN<sub>3</sub> and 10mM DTT.

### Stability

APCS although stable at 4°C for 1 week, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Applications

- ELISA
- MS
- Western Blotting