

## SAA4 Human

**Description:** SAA4 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 131 amino acids (21-130 a.a.) and having a molecular mass of 14.9kDa. The SAA4 is purified by proprietary chromatographic techniques.

**Catalog #:** CYP5-009

For research use only.

**Synonyms:** Serum amyloid A-4 protein, Constitutively expressed serum amyloid A protein, C-SAA, SAA4, CSAA.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MWRSFFKEAL QGVGDMGRAY  
WDIMISNHQN SNRYLYARGN YDAAQRGPGG VWAAKLISRS RVYLQGLIDY YLFGNSSTVL  
EDSKSNEKAE EWGRSGKDPD RFRPDGLPKK Y.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The SAA4 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 20% glycerol, 5mM DTT, 0.2M NaCl and 0.5mM EDTA.

### Stability:

SAA4 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.

### Usage:

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### Introduction:

SAA4 is a constitutively expressed protein which is a member of the SAA family. SAA4 is a major acute phase reactant and an Apolipoprotein of the HDL complex. SAA4 is constitutively expressed only in humans and mice; it is connected almost completely with lipoproteins of the high density range. The physiological function of SAA4 is unknown, and its serum concentration has no association with those of other major Apolipoproteins. SAA4 mRNA and protein occurrence in macrophage derived foam cells of coronary and carotid arteries implied a specific role of human SAA4 during inflammation including atherosclerosis.

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