



## Serum Amyloid A4, His Tag, human recombinant (rHuSAA4-His)

**Catalog No:** 97566  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Serum amyloid A-4 protein, Constitutively expressed serum amyloid A protein, C-SAA, SAA4, CSAA

### Background

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.

### Description

SAA4 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 131 amino acids (21-130) and having a molecular mass of 14.9 kDa. SAA4 is fused with a 21 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

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

### Purity

Greater than 90.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MWRSFFKEAL QGVGDMGRAY WDIMISNHQN SNRYLYARGN YDAAQRGPGG VWAAKLISRS  
RVYLQGLIDY YLFGNSSTVL EDSKSNEKAE EWGRSGKDPD RFRPDGLPKK Y

### Usage

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