



# Recombinant Protein Technical Manual

## Recombinant Human SAA4 Protein (His Tag)

RPES5015

### Product Data:

**Product SKU:** RPES5015

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P35542

### Protein Information:

**Molecular Mass:** 14 kDa

**AP Molecular Mass:** 14 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM Tris, 200mM NaCl, 0.5mM EDTA, 20% Glycerol, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Serum Amyloid A-4 Protein; Constitutively Expressed Serum Amyloid A Protein; C-SAA; SAA4; CSAA

## Immunogen Information:

**Sequence:** Glu19-Thr130

## Background:

Serum Amyloid A-4 Protein (SAA4) is a member of the SAA family. SAA proteins are a family of apolipoproteins associated with high-density lipoprotein (HDL) in plasma. SAA4 is constitutively expressed only in humans and mice. Its physiological function is unknown. SAA4 functions as a major acute phase reactant. 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.