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Datasheet for ABIN7319028 **SAA1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	SAA1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAA1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Serum Amyloid A1/SAA1 Protein (His Tag)
Sequence:	Arg19-Tyr122
Characteristics:	Recombinant Human Serum Amyloid A1 Protein is produced by our E.coli expression system and the target gene encoding Arg19-Tyr122 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SAA1
Alternative Name:	Serum Amyloid A1/SAA1 (SAA1 Products)
Background:	Background: Serum Amyloid A1 Protein (SAA1) is an acute phase apolipoprotein reactant that is produced predominantly by hepatocytes and is under the regulation of inflammatory cytokines. SAA is produced mainly in the liver and circulates in low levels in the blood. SAA may

Target Details

play a role in the immune system and facilitate the repair of injured tissues, it also acts as an antibacterial agent, and signals the migration of germ-fighting cells to sites of infection. SAA also functions as an apolipoprotein of the HDL complex. The SAA cleavage product designated amyloid protein A is deposited systemically as amyloid in vital organs such as the liver, spleen, and kidneys in chronic inflammatory diseases patients. These deposits are extremely insoluble and resistant to proteolysis, they disrupt tissue structure and compromise performance.

Synonym: Serum Amyloid A-1 Protein, SAA, SAA1

Molecular Weight: 13.2 kDa

UniProt: [P0DJ18](#)

Pathways: [Toll-Like Receptors Cascades](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 1 mM EDTA, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.