

Datasheet for ABIN7319467 **SAA2 Protein (His tag)**

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	SAA2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAA2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SAA2/Serum Amyloid A2 Protein (His Tag)
Sequence:	Arg19-Tyr122
Characteristics:	Recombinant Human Serum amyloid A-2 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:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SAA2
Alternative Name:	SAA2/Serum Amyloid A2 (SAA2 Products)
Background:	Background: Serum amyloid A-2 protein (SAA2) belongs to the SAA family. It expressed by the liver and secreted in plasma. SAA2 functions as major acute phase reactant and could works as apolipoprotein of the HDL complex. Increased levels of A-SAA in serum are indicative of

Target Details

inflammatory disease. When highly expressed, SAA can displace ApoA1 as the major apolipoprotein in HDL complexes, weakening the function of HDL as a reverse (lipid clearing) cholesterol transporter. A highly charged region of SAA2 and SAA1 (aa 36-68) contains putative fibronectin- and laminin-binding motifs. This region also binds heparin sulfate proteoglycans at mildly acidic pH and promotes aggregation of A-SAA.

Synonym: SAA, SAA2, Serum Amyloid A2

Molecular Weight: 13.2 kDa

UniProt: [P0DJ19](#)

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 mMMPB,150 mMNaCl, pH 7.4.

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.