

Active Recombinant Rhesus Macaque SAA1 Protein (104 aa)

Cat. No. SAA1-001S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus Macaque SAA1 Protein without tag was expressed in E. coli.
Species	Rhesus macaque
Source	E.coli
ProteinLength	104
Description	Serum amyloid A proteins (SAA) represents a family of apolipoproteins that circulates in association with high-density lipoproteins (HDL). The level of apo-SAA, normally 1-5 µg/mL in plasma, increases 500-1000 fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL apo-lipoprotein.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Fully biologically active when compared to standard. Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/mL, corresponding to a Specific Activity of 1×10^5 IU/mg.
Molecular Mass	Approximately 11.8 kDa, a single non-glycosylated polypeptide chain containing 104 amino acids.
AA Sequence	RSWFSFLGEAYDGARDMWRAYSMDKEANYKNSDKYFHARGNYDAAQRGPGGVW AAEISDARENIQKLLGRGAEDTLADQAANEWGRSGKDPNHFRPAGLPEKY

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Endotoxin	Less than 1 EU/μg of rRhSAA1 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	SAA1 serum amyloid A1 [<i>Bos taurus</i> (cattle)]
Official Symbol	SAA1
Synonyms	SAA1; serum amyloid A1; serum amyloid A1
Gene ID	616035

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