

SAA1

Recombinant Rhesus Macaque Serum Amyloid A1

Catalog No.	CRS162A	Quantity:	2 µg
	CRS162B		10 µg
	CRS162C		1.0 mg

Description: Recombinant Rhesus Macaque Serum Amyloid A1 is a single non-glycosylated polypeptide chain containing 104 amino acids.
 Background: 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.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Gene ID: 694827

Source: *E. coli*

Molecular Weight: ~11.7 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Purity: >97% by SDS-PAGE and HPLC analyses

Endotoxin Level: Less than 1EU/µg of rRhSAA1 as determined by LAL method

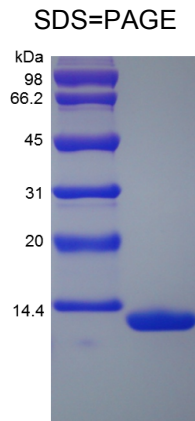
Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration range of 10-100 ng/ml.

Amino Acid Sequence: RSWFSFLGEA YDGARDMWRA YSDMKEANYK NSDKYFHARG NYDAAQRGPG GVWAAEVISD ARENIQKLLG RGAEDTLADQ AANEWGRSGK DPNHFRPAGL PEKY

Reconstitution: **Centrifuge vial prior to opening.** 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 divided into working aliquots and stored at -80 °C. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: The lyophilized protein is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. After reconstitution, the protein is stable for 1 week at 2-4°C. For long term storage, aliquot and freeze at -80°C. **Avoid repeated freeze-thaw cycles.**





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