DATASHEET

# Recombinant Human Apolipoprotein-Serum Amyloid A1

CAT. NO. ARP6614

## KEY FEATURES

| | | | |
|---|---|---|---|
| Target | Apolipoprotein-Serum Amyloid A1 | Source/Expression System | E.coli |
| Reactivity | Human | Aapplication | SDS-PAGE |
| Abbreviation | rHuSAA1 | Synonyms | Serum amyloid A-1 protein |

## BACKGROUND

Serum amyloid A-1 protein which belongs to the SAA family is encoded by the SAA1 gene in humans. It is expressed by the liver and secreted in plasma. Serum amyloid A-1 is the major acute phase reactant and apolipoprotein of the HDL complex. Elevated serum SAA1 protein levels may be associated with lung cancer. The level of Apo-SAA1, normally 1-5μg/ml in plasma, increases 500-1000fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL Apo-lipoprotein. Recombinant human Apo-SAA1 is an 11.7kDa protein containing 104 amino acid residues.

## PRODUCT OVERVIEW

| | |
|---|---|
| Molecular Weight | Approximately 11.7 kDa, a single non-glycosylated polypeptide chain containing 104 amino acids. |
| Accession | P0DJI8 Arg19-Tyr122 |
| A.A. Sequence | RSFFSFLGEAFDGARDMWRAYSDMREANYIGSDKYFHARGNYDAAKRGPGGVWAAEAISDARENIQRFFGHGAED SLADQAANEWGRSGKDPNHFRPAGLPEKY |
| Purity | ＞98% by SDS-PAGE or HPLC. |
| Biological Activity | Fully biologically active when compared to standard. The biological activity determined by a chemoattract bioassay using human monocytes is in a concentration range of 10-100 ng/ml. |
| Formulation | Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM Tris-HCl, with 150 mM NaCl, pH 9.0. |
| Appearance | Sterile filtered White lyophilized (freeze-dried) powder. |
| Endotoxin | < 0.01 EU/μg of rHuSAA1 protein as determined by LAL method. |
| Reconstitution | Before use this product, please read the direction below carefully. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a 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 ≤ -20°C. Further dilutions should be made in appropriate buffered solutions. |

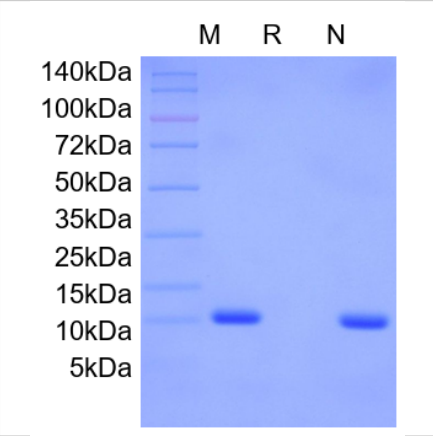
*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

DATASHEET

# Recombinant Human Apolipoprotein-Serum Amyloid A1

CAT. NO. ARP6614

## DATA




SDS-PAGE

## STORAGE

For long term storage, the product should be stored ≤ -20°C. Please avoid repeated freeze-thaw cycles after reconstitution. 36 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

## NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.