

Serum Amyloid A (APO-SAA1) Human Recombinant

Item Number	rAP-0735
Synonyms	Serum amyloid A protein, SAA, Amyloid protein A, Amyloid fibril protein AA, SAA1, SAA2, PIG4, TP53I4, MGC111216.
Description	SAA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 104 amino acids and having a molecular mass of 11.7kDa. The SAA1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P0DJ18
Amino Acid Sequence	RSFFSFLGEA FDGARDMWRA YSDMREANYI GSDKYFHARG NYDAAKRGPG GVWAAEAISD AR-ENIQRFFG HGAEDSLADQ AANEWGRSGK DPNHFRPAGL PEKY.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized SAA1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SAA1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	SAA1 was lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 8.5 and 150mM NaCl. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized SAA1 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The biological activity determined by a chemoattract bioassay using human monocytes is in a concentration range of 10-100 ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**