

Human SAA1 Recombinant Protein



RPPB0942

Product Information Protein Information

Product SKU:

RPPB0942

Accession:

PODJI8

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Serum amyloid A protein, SAA, Amyloid protein A, Amyloid fibril protein AA, SAA1, SAA2, PIG4, TP53I4, MGC111216.

Formulation:

SAA1 was lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris-HCl, pH 9.0 and 150mM NaCl.

Purity:

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

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.

Stability:

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.

Amino Acid Sequence:

RSFFSFLGEA FDGARDMWRA YSDMREANYI GSDKYFHARG NYDAAKRGPG GVWAAEAISD ARENIQRFFG HGAEDSLADQ AANEWGRSGK DPNHFRPAGL PEKY.

Biological Activity:

The biological activity determined by a chemoattract bioassay using human monocytes is in a concentration range of 10-100 ng/ml.