Active Recombinant Human SAA1 protein(D60N, H71R)

Cat. No. SAA1-1642H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SAA1 protein(D60N, H71R)(AAA64799.1)(19-122 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	19-122 aa
Form	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM Tris-HCl, pH 9.0, 150 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by its ability to down-regulate lipid biosynthesis in aortic smooth muscle cells. The effective concentration was found to be 4 μM.
Molecular Mass	Approximately 11.7 kDa, a single non-glycosylated polypeptide chain containing 104 amino acids.
AASequence	RSFFSFLGEA FDGARDMWRA YSDMREANYI GSDKYFHARG NYDAAKRGPG GVWAAEAISN ARENIQRFFG RGAEDSLADQ AANEWGRSGK DPNHFRPAGL PEKY
Purity	> 98 % by SDS-PAGE and HPLC analyses.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 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.
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 ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	SAA1 serum amyloid A1 [Homo sapiens]
Official Symbol	SAA1
Synonyms	SAA1; serum amyloid A1; SAA; serum amyloid A protein; PIG4; TP53I4; tumor protein p53 inducible protein 4; SAA2; MGC111216;
Gene ID	6288
mRNA Refseq	NM_000331
Protein Refseq	NP_000322
MIM	104750
UniProt ID	P02735
SDS-PAGE	

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