
Product Data Sheet

Product Name: SAA4 Human
 Cat. No.: GP20921
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Serum amyloid A-4 protein; Constitutively expressed serum amyloid A protein; C-SAA; SAA4; CSAA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MWRSFFKEAL QGVGDMGRAY WDIMISNHQN SNRYLYARGN YDAAQRGPGG VWAAKLISRS RVYLQGLIDY YLFGNSSTVL EDSKSNEKAE EWGRSGKDPD RFRPDGLPKK Y.		
Formulation	The SAA4 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 20% glycerol, 5mM DTT, 0.2M NaCl and 0.5mM EDTA.		

Introduction

SAA4 is a constitutively expressed protein which is a member of the SAA family. SAA4 is a major acute phase reactant and an apolipoprotein of the HDL complex. SAA4 is constitutively expressed only in humans and mice; it is connected almost completely with lipoproteins of the high density range. The physiological function of SAA4 is unknown, and its serum concentration has no association with those of other major apolipoproteins. SAA4 mRNA and protein occurrence in macrophage derived foam cells of coronary and carotid arteries implied a specific role of human SAA4 during inflammation including atherosclerosis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SAA4 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 131 amino acids (21-

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130 a.a.) and having a molecular mass of 14.9kDa. The SAA4 is purified by proprietary chromatographic techniques.

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