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Datasheet for ABIN7317583 SAA4 Protein (GST tag)

Overview

Quantity:	100 µg
Target:	SAA4
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAA4 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human SAA4 Protein (GST Tag)
Sequence:	Glu19-Tyr130
Characteristics:	A DNA sequence encoding the mature form of human SAA4 (P35542) (Glu19-Tyr130) was fused with the GST tag at the N-terminus.
Purity:	> 93 % as determined by reducing SDS-PAGE.

Target Details

Target:	SAA4
Alternative Name:	SAA4 (SAA4 Products)
Background:	Background: SAA4 is a member of the SAA family. SAA proteins are family of apolipoproteins of high density lipoprotein (HDL). They can be separated into two distinct groups. First group (SAA1, SAA2, and SAA3) consists of acute phase reactant whose expression level increase in the blood in a response to trauma, infection, inflammation, and neoplasia. These acute phase

Target Details

SAA4 associates with HDL during inflammation and remodel the HDL particle by displacing Apo-A1. The second distinct group consists of SAA4 and SAA5 which exist as the minor apolipoproteins on HDL, but this group of SAA constitutes more than 90 % of all the SAA during homeostasis, and it is thought to play a role in the normal functioning of the HDL particle. SAA4 is a constitutively expressed protein which 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.

Synonym: Serum Amyloid A-4 Protein, Constitutively Expressed Serum Amyloid A Protein, C-SAA, SAA4, CSAA

Molecular Weight:	39.8kDa
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UniProt:	P35542
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, 0.5 % Triton X-100, pH 7.4
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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