Datasheet for ABIN7194295

Apolipoprotein M Protein (APOM) (Fc Tag)

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Overview

Quantity:	50 µg
Target:	Apolipoprotein M (APOM)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Apolipoprotein M protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human APOM Protein (Fc Tag)
Sequence:	Met 1-Asn 188
Characteristics:	A DNA sequence encoding the human APOM (O95445) (Met 1-Asn 188) was fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Apolipoprotein M (APOM)
Alternative Name:	APOM (APOM Products)
Background:	Background: ApoM (apolipoprotein M) is an apolipoprotein and member of the lipocalin protein family. The lipocalins share limited regions of sequence homology and a common tertiary structure architecture. They have an eight-stranded, antiparallel, symmetrical _-barrel fold,

Target Details

	which is in essence a beta sheet which has been rolled into a cylindrical shape. Inside this barrel is located a ligand binding site. They transport small hydrophobic molecules such as steroids, bilins, retinoids, and lipids. Lipocalins have been associated with many biological processes, among them immune response, pheromone transport, biological prostaglandin synthesis, retinoid binding, and cancer cell interactions. Lipocalins are comparatively small in size, and are thus less complicated to study as opposed to large, bulky proteins. They can also bind to various ligands for different biological purposes. ApoM is associated with high density lipoproteins and to a lesser extent with low density lipoproteins and triglyceride-rich lipoproteins. ApoM is involved in lipid transport and can bind sphingosine-1-phosphate, myristic acid, palmitic acid and stearic acid, retinol, all-trans-retinoic acid and 9-cis-retinoic acid. Synonym: Apolipoprotein M, Apo-M, ApoM, Protein G3a, APOM, G3A, NG20
Molecular Weight:	45.6 kDa
UniProt:	O95445

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
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.