

Recombinant Human SCARB1 / CD36L1 / CLA-1 Protein (His & Fc tag)

Cat.NO.: TP05618

3th Edition

Synonyms:CD36L1;CLA-1;CLA1;HDLQTL6;SR-BI;SRB1

Description:Scavenger receptor class B, member 1 (SCARB1), also known as CD36L1, is a member of the scavenger receptor family. SCARB1 is expressed primarily in liver and non placental steroidogenic tissues, and predominantly localized to cholesterol and sphingomyelin-enriched domains within the plasma membrane. SCARB1 is proposed as a receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells, and is involved in a wide variety of physiological processes. As a key component in the reverse cholesterol transport pathway, SCARB1 binds high density lipoproteins (HDLs) and mediates selective cholesterol uptake by a mechanism distinct from the LDL pathway. High density lipoproteins (HDLs) play a critical role in cholesterol metabolism and their plasma concentrations are inversely correlated with risk for atherosclerosis. SCARB1 may thus serve as a useful marker that predicts variation in baseline lipid levels and postprandial lipid response. The mouse SCARB1 has been shown to exert actions in determining the levels of plasma lipoprotein cholesterol and the accumulation of cholesterol stores in the adrenal gland.

Form:PBS

Molecular Weight:78 kDa

Sequences:Pro 33-Tyr 443

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.