Recombinant Mouse Scarb1 Protein, His & Fc-tagged

Cat. No. Scarb1-859M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of mouse SRB1 (NP_058021.1) extracellular domain (Pro 33-Val 440) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	33-440 a.a.
Predicted N Terminal	Pro 33
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The secreted recombinant mouse SRB1/Fc is a disulfide-linked homodimer The reduced monomer comprises 656 amino acids with a predicted molecular mass of 74 kDa. As a result of glycosylation, it migrates as an approximately 115-120 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.

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	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Scarb1 scavenger receptor class B, member 1 [Mus musculus]
Official Symbol	Scarb1
Synonyms	CD36; Cla1; SRBI; Srb1; Cla-1; Hdlq1; SR-B1; SR-BI; Cd36l1; Chohd1; Hlb398; mSR-BI; AI120173; D5Ertd460e; HDL QTL 1; scavenger receptor class B type I; scavenger receptor class B1
Gene ID	20778
mRNA Refseq	NM_001205082
Protein Refseq	NP_001192011
MIM	
UniProt ID	Q61009
Chromosome Location	5 64.11 cM; 5 G1.1
Pathway	Aldosterone synthesis and secretion, organism-specific biosystem; Bile secretion, organism-specific biosystemFat digestion and absorption, organism-specific biosystem

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Function	apolipoprotein A-I binding; apolipoprotein binding; high-density lipoprotein particle receptor activity

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