

Product datasheet

Recombinant human Scavenging Receptor SR-BI protein (Fc Chimera) ab182680

1 Image

Description

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| Product name | Recombinant human Scavenging Receptor SR-BI protein (Fc Chimera) | |
| Biological activity | Measured by its ability to bind recombinant Human ApoA1 in a functional ELISA. | |
| Purity | > 95 % SDS-PAGE. | |
| Endotoxin level | < 1.000 Eu/μg | |
| Expression system | HEK 293 cells | |
| Accession | <u>Q8WTV0</u> | |
| Protein length | Protein fragment | |
| Animal free | No | |
| Nature | Recombinant | |
| Species | Human | |
| Sequence | <pre> PSLIKQQVLKNVRIDPSSLSFNMWKEIPIFYLSVYFFDVM NPSEILKGE KPQVRERGPYYREFRHKSNITFNNNDTVSFLEYRTFQFQ PSKSHGSESD YVMPNILVLGAAVMMENKPMTLKLIMTLAFTTLGERAFMN RTVGEIMWG YKDPLVNLINKYFPGMFPFKDKFGLFAELNNSDSGLFTVF TGVQNISRIH LVDKWNGLSKVDFWHSQCNCNMINGTSGQMWPPFMTPE SSLEFYSPEACRS MKLMYKESGVFEGIPTYRFVAPKTLFANGSIYPPNEGFCP CLESGIQNVS TCRFSAPLFLSHPHFLNADPVLAEAVTGLHPNQEAHSLFL DIHPVTGIPM NCSVKLQLSLYMKSVAGIGQTGKIEPVVLP LLWFAESGAM EGETLHTFYT QLVLMPKVMHY </pre> | |
| Predicted molecular weight | 73 kDa including tags | |
| Amino acids | 33 to 443 | |
| Additional sequence information | Fused with Fc fragment of Human IgG1 at the C-terminus. NP_005496.4. Extracellular domain. | |

Specifications

Our **Abpromise guarantee** covers the use of **ab182680** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| Applications | SDS-PAGE Functional Studies |
| Form | Lyophilized |
| Additional notes | As a result of glycosylation, DTT-reduced Scavenging Receptor SR-BI protein migrates as 110-115 kDa and non-reduced protein migrates as 220-230 kDa. |

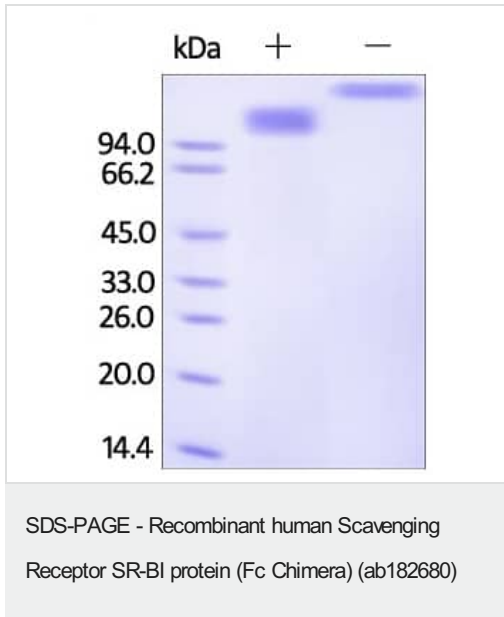
Preparation and Storage

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| Stability and Storage | Shipped at 4°C. Store at 4°C prior to reconstitution. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituents: 0.6% Tris, 0.75% Glycine, 5% Trehalose Lyophilized from 0.22 µm filtered solution. This product is an active protein and may elicit a biological response in vivo, handle with caution. |
| Reconstitution | It is recommended to reconstitute the lyophilized product in 250 µl sterile deionized water to a final concentration of 200 mg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage. |

General Info

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| Function | Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells. Probable receptor for HDL, located in particular region of the plasma membrane, called caveolae. Facilitates the flux of free and esterified cholesterol between the cell surface and extracellular donors and acceptors, such as HDL and to a lesser extent, apoB-containing lipoproteins and modified lipoproteins. Probably involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity. Receptor for hepatitis C virus glycoprotein E2. Binding between SCARB1 and E2 was found to be independent of the genotype of the viral isolate. Plays an important role in the uptake of HDL cholesteryl ester. |
| Tissue specificity | Widely expressed. |
| Sequence similarities | Belongs to the CD36 family. |
| Post-translational modifications | N-glycosylated. |
| Cellular localization | Cell membrane. Membrane > caveola. Predominantly localized to cholesterol and sphingomyelin-enriched domains within the plasma membrane, called caveolae. |

Images



The purity of ab182680 was determined by DTT-reduced (+) and non-reduced (-) SDS-PAGE and staining overnight with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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