

Recombinant Mouse MSR1/CD204 Protein

Catalog No.: RP01843 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 20288 P30204

Tags

N-His

Synonyms

Macrophage scavenger receptor types I and II; Macrophage acetylated LDL receptor I and II; Scavenger receptor type A; SR-A; CD204

Msr1; Scvr

Product Information

Source

Purification

HEK293 cells

≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

30.59 kDa 45-60 kDa

Endotoxin

< 0.1 EU/ μ g of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

<u>a</u>	400-999-6126
\bowtie	cn.market@abclonal.com.cn
<u>~</u>	www.abclonal.com.cn

Background

Macrophage scavenger receptor 1 (MSR1) is also known as CD204, SCARA1, SR-A, and is class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by alternative splicing of this gene. These receptors or isoforms are trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological and pathological processes. The isoforms type 1 and type 2 are functional receptors and are able to mediate the endocytosis of modified low density lipoproteins (LDLs). The isoform type 3 does not internalize modified LDL (acetyl-LDL) despite having the domain shown to mediate this function in the types 1 and 2 isoforms. Defects in MSR1 may be a cause of prostate cancer (PC) or Barrett esophagus (BE).

Basic Information

Description

Recombinant Mouse MSR1/CD204 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp83-Val354) of Mouse MSR1/CD204 (Accession #NP 001106797.1) fused with a His tag at the N-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

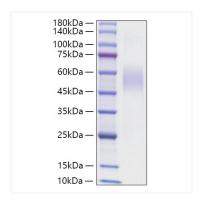
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse MSR1/CD204 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.