

Recombinant Mouse MSR1/CD204 Protein

Catalog No.: RP01843 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	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 \square Msr1; Scvr

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.22 μ m 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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

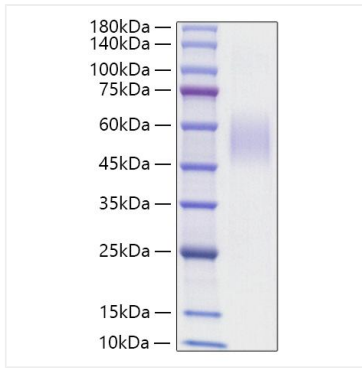
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

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.

Validation Data



Recombinant Mouse MSR1/CD204 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 45-60 kDa.