



[Go to Product page](#)

Datasheet for ABIN7538370

## Macrophage Scavenger Receptor 1 Protein (MSR1) (AA 77-451) (His tag)

### Overview

Quantity:	50 µg
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Protein Characteristics:	AA 77-451
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Macrophage Scavenger Receptor 1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant human MSR1 Protein with N-terminal 6xHis tag
Specificity:	6xHis tag MSR1 (Lys77-Leu451)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	Macrophage Scavenger Receptor 1 (MSR1)
Alternative Name:	MSR1 ( <a href="#">MSR1 Products</a> )
Background:	This gene encodes the class A macrophage scavenger receptors, which include three different

## Target Details

---

types (1, 2, 3) generated by alternative splicing of this gene. These receptors or isoforms are macrophage-specific trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological and pathological processes including atherosclerosis, Alzheimer's disease, and host defense. 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. It has an altered intracellular processing and is trapped within the endoplasmic reticulum, making it unable to perform endocytosis. The isoform type 3 can inhibit the function of isoforms type 1 and type 2 when co-expressed, indicating a dominant negative effect and suggesting a mechanism for regulation of scavenger receptor activity in macrophages. [provided by RefSeq, Jul 2008]

---

Molecular Weight: predicted molecular mass of 42.1 kDa after removal of the signal peptide.

---

UniProt: [P21757](#)

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format: Lyophilized

---

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

---

Storage: -20 °C,-80 °C

---

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

---

Expiry Date: 12 months