

Datasheet for ABIN5854557

**Macrophage Scavenger Receptor 1 Protein (MSR1) (AA 77-451) (His tag)**[Go to Product page](#)**1** Image

## Overview

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

## Product Details

|                  |  |
|------------------|--|
| Sequence:        | ADPKWETKNC SVSSTNANDI TQSLTGKGN D SEEMRFQEV FMEHMSNMEK RIQHILDMEA<br>NLMDTEHFQN FSMTTDQRFN DILLQLSTLF SSVQGHGNAI DEISKSLISL NTLLDLQLN<br>IENLNGKIQE NTFKQQEEIS KLEERVYNVS AEIMAMKEEQ VHLEQEIKGE VKVLNNITND<br>LRLKDWEHSQ TLRNITLIQG PPGPPGEKGD RGPTGESGPR GFPPIGPPG LKGDRGAIGF<br>PGSRGLPGYA GRPGNSGPKG QKGEKGSNT LTPFTKVRLV GGSGPHEGRV EILHSGQWGT<br>ICDDRWEVRV GQVVCRLGY PGVQAVHKAA HFGQGTGPIW LNEVFCFGRE SSIEECKIRQ<br>WGTRACSHSE DAGVTCTLHH HHHH |
| Purity:          | > 95 % by SDS - PAGE   |
| Endotoxin Level: | < 1.0 EU per 1 microgram of protein (determined by LAL method)   |

## Target Details

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Target: Macrophage Scavenger Receptor 1 (MSR1)

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Alternative Name: MSR1 ([MSR1 Products](#))

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Background: MSR1, as known as macrophage scavenger receptor types I and II isoform type 1, is single-pass type II membrane protein. Scavenger receptors are a group of membrane receptors that recognize and internalize modified low density lipoproteins (LDLs) and participate in the removal of many foreign substances and waste materials in the living body. Scavenger receptors are categorized into three classes, and class A mainly expressed in macrophage includes three isoforms derived by alternative splicing. This protein, has been suggested to play important roles in macrophage growth, cell adhesion, osteoclast differentiation, and as well as intracellular signaling. Recombinant human MSR1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

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Molecular Weight: 42.4kDa (384aa) 40-57KDa (SDS-PAGE under reducing conditions.)

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NCBI Accession: [NP\\_619729](#)

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UniProt: [P21757](#)

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## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 0.5 mg/mL

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Buffer: In Phosphate Buffered Saline ( pH 7.4) containing 10 % glycerol.

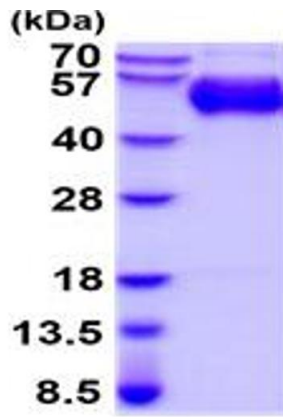
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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

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15% SDS-PAGE (3ug)

**SDS-PAGE**

Image 1.