

# Recombinant human SR-AI/MSR protein

Catalog Number: ATGP3039

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

77-451aa

### UniProt No.

P21757

### NCBI Accession No.

NP\_619729

### Alternative Names

Macrophage scavenger receptor types I and II isoform type 1, Macrophage scavenger receptor types I and II isoform type 1, CD204, phSR1, phSR2, SCARA1, SR-A, SRA

## PRODUCT SPECIFICATION

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### Molecular Weight

43.7 kDa (398aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

MSR1 also known as macrophage scavenger receptor types I and II, belong to the class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by alternative splicing. 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. Recombinant human MSR1, fused to His-tag at N-terminus, was expressed in E. coli.

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### Amino acid Sequence

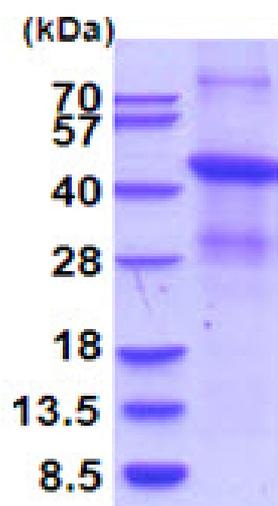
MGSSHHHHHH SSSLVPRGSH MGSKWETKNC SVSSTNANDI TQSLTGKGN D SEEMRFQEV FMEHMSNMEK  
RIQHILDMEA NLMDTEHFQN FSMTTDQRFN DILLQLSTLF SSVQGHGNAI DEISKSLISL NTTLLDLQLN IENLNGKIQE  
NTFKQEEIS KLEERVYNVS AEIMAMKEEQ VHLEQEIKGE VKVLNNTND LRLKDWEHSQ TLRNITLIQG PPGPPGEKGD  
RGPTGESGPR GFPPIGPPG LKGDRGAIGF PGSRGLPGYA GRPGNSGPKG QKGEKGSNT LTPFTKVRLV GGSGPHEGRV  
EILHSGQWGT ICDDRWEVRV GQVVCRLGY PGVQAVHCAA HFGQGTGPIW LNEVFCFGRE SSIEECKIRQ WGTRACSHSE  
DAGVTCTL

### General References

Dansako H., et al. (2013) PLoS Pathog. 9 (5), E1003345

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)