

Recombinant human SR-AI/MSR protein

Catalog Number: ATGP3039

PRODUCT INFORMATION

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

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

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

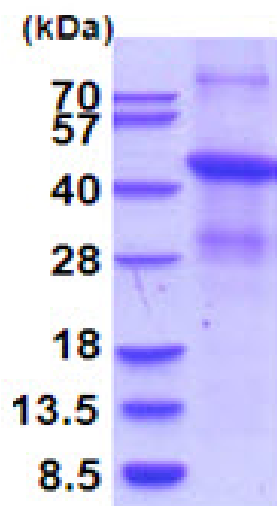
MGSSHHHHHH SSGLVPRGSH MGSKWETKNC SVSSTNANDI TQSLTGKGND SEEEMRFQEV FMEHMSNMEK
RIQHILDMEA NLMDTEHFQN FSMTTDQRFN DILLQLSTLF SSVQGHGNAI DEISKSLISL NTTLLDLQLN IENLNGKIQE
NTFKQQUEIS KLEERVYNVS AEIMAMKEEQ VHLEQEIKGE VKVLNNITND LRLKDWEHSQ TLRNITLIQG PPGPPGEKGD
RGPTGESGPR GFPPIGPPG LKGDRGAIGF PGSRGLPGYA GRPGNSGPKG QKGEKGSNT LTPFTKVRLV GGSGPHEGRV
EILHSGQWGT ICDDRWEVRV GQVVCRLGY PGVQAVHKAH 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)