
Product Data Sheet

Product Name: MSR1 Human, sf9

Cat. No.: GP23965

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Macrophage Scavenger Receptor 1; Macrophage Acetylated LDL Receptor I And II; Scavenger Receptor Class A Member 1; SCARA1; Macrophage Scavenger Receptor Type III; CD204 Antigen; CD204; PhSR1; PhSR2; SR-A; SRA.		
Amino Acid Sequence	ADPKWETKNC SVSSTNANDI TQSLTGKGN D SEEEMRFQEV FMEHMSNMEK RIQHILDMEA NLMDTEHFQN FSMTTDQRFN DILLQLSTLF SSVQGHGNAI DEISKSLISL NTTLLDLQLN IENLNGKIQE NTFKQQEEIS KLEERVYNVS AEIMAMKEEQ VHLEQEIKGE VKVLNNITND LRLKDWEHSQ TLRNITLIQG PPGPPGEKGD RGPTGESGPR GFP GPIPPG LKGDRGAIGF PGSRGLPGYA GRPGNSGPKG QKGEKGSNT LTPFTKVRLV GGSGPHEGRV EILHSGQWGT ICDDRWEVRV GQVVCRLGY PGVQAVHCAA HFGQGTGPIW LNEVFCFGRE SSIEECKIRQ WGTRACSHSE DAGVTCTLHH HHHH.		
Formulation	MSR1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Macrophage Scavenger Receptor 1, also known as MSR1 is a member of the class A macrophage scavenger receptors, which comprises three different types 1, 2 and 3 generated by alternative splicing. Furthermore, these receptors or isoforms are macrophage-specific trimeric integral membrane glycoproteins and have been implicated in many macrophage-associated physiological as well as pathological processes which include atherosclerosis, Alzheimer's disease, and host defense.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MSR1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 384 amino acids (77-451 a.a.) and having a molecular mass of 42.4kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).

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