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**Product Data Sheet**


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Product Name: MSR1 Human  
 Cat. No.: GP23964  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Macrophage Scavenger Receptor 1; SCARA1; Macrophage Acetylated LDL Receptor I And II; Scavenger Receptor Class A Member 1; SRA; Macrophage Scavenger Receptor Types I And II; Macrophage Scavenger Receptor Type III; Scavenger Receptor Class A; Member 1 CD204 Antigen; CD204; PhSR1; PhSR2; SR-A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSKWETKNC SVSSTNANDI TQSLTGKGN SEEEMRFQEV FMEHMSNMEK RIQHILDMEA NLMDTEHFQN FSMTTDQRFN DILLQLSTLF SSVQGHGNAI DEISKSLISL NTTLLDLQLN IENLNGKIQE NTFKQQEEIS KLEERVYNVS AEIMAMKEEQ VHLEQEIKGE VKVLNNITND LRLKDWEHSQ TLRNITLIQG PPGPPGEKGD RGPTGESGPR GFPGPIGPPG LKGDRGAIGF PGSRGLPGYA GRPGNSGPKG QKGEKGSNT LTPFTKVRLV GGSGPHEGRV EILHSGQWGT ICDDRWEVRV GQVVCPSLGY PGVQAVHKAA HFGQGTGPIW LNEVFCFGRE SSIEECKIRQ WGTRACSHSE DAGVTCTL		
Formulation	MSR1 protein solution (0.5mg/ml) containing 20mM Tris-HCl (pH 8.0) 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 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.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 398 amino acids (77-451 a.a) and having a molecular mass of 43.7kDa. MSR1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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