

MSR1, 77-451aa, Human, His tag, Baculovirus

Cat.NO.: TP03032

3th Edition

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

Description: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.

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

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

Sequences:

ADPKWETKNCSVSSTNANDITQSLTGKGNDSSEEMRFQEVFMEHMSNMEKRIQHILDMEANLMDTEHFQNFSM
TTDQRFNDILLQLSTLFSSVQGHGNAIDEISKSLISLNTLLDLQLNIENLNGKIQENTFKQEEISKLEERVYNVSAE
IMAMKEEQVHLEQEIKGEVKVLNITNDLRLKDWEHSQTLRNITLIQGGPPGPPGEGKDRGPTGESGPRGF
PPIGPPGLKGDRGAIGFPGSRGLPGYAGRPGNSGPKGQKGEKSGNTLTPFTKVRLVGGSGPHEGRVEILH
SGQWGTICDDRWEVRVGGVVCVCRSLGYPGVQAVHKAHFGQGTGPIWLNVEFCFGRESSIEECKIRQWGTRAC
SHSEDAGVTCTLHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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