

CD204 recombinant protein

Recombinant Human CD204 Protein

CATALOG #
AAA281520

HOST
HEK293 Cells

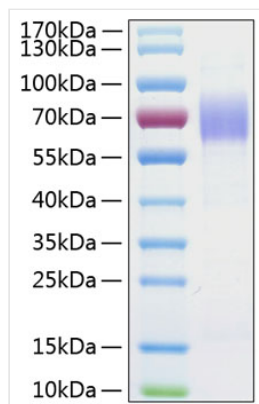
PRODUCT SYNONYMS

CD204; Recombinant Human CD204 Protein; phSR1; phSR2; SCARA1; SR-A; SRA; CD204 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>90% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Tag	C-6xHis
Preparation and Storage	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

IMAGES



SDS-PAGE

Recombinant Human CD204 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 55-75 kDa.

ADDITIONAL INFORMATION

Related Product Information for CD204 recombinant protein	Description: Recombinant Human CD204 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys77-Leu451) of human CD204 (Accession #NP_619729.1) fused with a 6xHis tag at the C-terminus. Background: This protein is the class A macrophage scavenger receptors, which include three different types (1, 2, 3) generated by alternative splicing of this gene. 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. The isoforms type 1 and type 2 are functional receptors and are able to mediate the endocytosis of modified low density lipoproteins (LDLs). The isoform type 3 does not internalize modified LDL (acetyl-LDL) despite having the domain shown to mediate this function in the types 1 and 2 isoforms. It has an altered intracellular processing and is trapped within the endoplasmic reticulum, making it unable to perform endocytosis. The isoform type 3 can inhibit the function of isoforms type 1 and type 2 when co-expressed, indicating a dominant negative effect and suggesting a mechanism for regulation of scavenger receptor activity in macrophages.
Product Categories/Family for CD204 recombinant protein	CD Antigen

NCBI AND UNIPROT INFORMATION

NCBI GI #	127357
NCBI GeneID	4481
UniProt Accession #	P21757
NCBI Official Full Name	Macrophage scavenger receptor types I and II
NCBI Official Synonym Full Names	macrophage scavenger receptor 1
NCBI Official Symbol	MSR1
NCBI Official Synonym Symbols	SRA; SR-A; CD204; SR-AI; phSR1; phSR2; SCARA1; SR-AII; SR-AIII
NCBI Protein Information	macrophage scavenger receptor types I and II
UniProt Protein Name	Macrophage scavenger receptor types I and II
UniProt Gene Name	MSR1
UniProt Synonym Gene Names	SCARA1
UniProt Entry Name	MSRE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.