

Datasheet for ABIN7321106

Macrophage Scavenger Receptor 1 Protein (MSR1) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Macrophage Scavenger Receptor 1 (MSR1)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Macrophage Scavenger Receptor 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat MSR1/SCARA1/CD204 Protein (His Tag)
Sequence:	Trp79-Ser454
Characteristics:	A DNA sequence encoding the rat MSR1 (NP_001178868.1) (Trp79-Ser454) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	Macrophage Scavenger Receptor 1 (MSR1)
Alternative Name:	MSR1/SCARA1/CD204 (MSR1 Products)
Background:	Background: Macrophage scavenger receptor types I and II, also known as Macrophage acetylated LDL receptor I and II, Scavenger receptor class A member 1, CD204, MSR1 and SCARA1, is a single-pass type I I membrane protein which contains one collagen-like domain

Target Details

and one SRCR domain. Macrophages are distributed in all peripheral tissues and play a critical role in the first line of the innate immune defenses against bacterial infection by phagocytosis of bacterial pathogens through the macrophage scavenger receptor 1 (MSR1). MSR1 / SCARA1 is one of the membrane glycoproteins implicated in the pathologic deposition of cholesterol in arterial walls during atherogenesis. Two types of receptor subunits exist. These receptors mediate the endocytosis of a diverse group of macromolecules, including modified low density lipoproteins (LDL). MSR1 / SCARA1 is also involved in chronic inflammation which is a risk factor for prostate cancer. MSR1 1 gene was identified as a candidate susceptibility gene for hereditary prostate cancer and as a risk factor for sporadic prostate cancer.

Synonym: MSR1

Molecular Weight: 43.1 kDa

NCBI Accession: [NP_001178868](#)

Application Details

Restrictions: For Research Use only

Handling

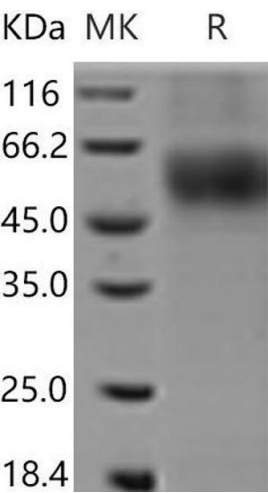
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.