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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MSR1 (Human) Recombinant Protein

Catalog Number: P10584

Regulation Status: For research use only (RUO)

Product Description: Human MSR1 partial recombinant protein with His tag expressed in HEK293 cells.

Sequence:

KWETKNCSVSSTNANDITQSLTGKGNDSSEEMRFQE
VFMEHMSNMEKRIQHILDMEANLMDTEHFQNFSTTD
QRFNDILLQLSTLFSSVQGHGNAIDEISKSLISLNTTLLD
LQLNIENLNGKIQENTFKQEEISKLEERVYNVSAEIMA
MKKEQVHLEQEIKGEVKVLNNITNDLRLKDWEHSQTL
RNITLIQGGPPGPGKEGDRGPTGESGPRGFGPIGPP
GLKGDRGAIGFPGSRGLPGYAGRPGNSGPKGQKGEK
GSGNTLTPFTKVRLVGGSGPHEGRVEILHSGQWGTC
DDRWEVRVGQVVCRLGYPGVQAVHKAHFGQGTG
PIWLNEVFCFGRESSIEECKIRQWGTRACSHSEDAGV
TCTL

Host: Human

Theoretical MW (kDa): 42.13

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product
page for detailed protocols

Form: Lyophilized

Preparation Method: Mammalian cell (HEK293)
expression system

Purification: Ni-NTA chromatography

Purity: > 95% by SDS-PAGE

Endotoxin Level: < 0.1 EU/ ug of protein by the LAL
method.

Recommend Usage: SDS-PAGE

The optimal working dilution should be determined by
the end user.

Storage Buffer: Lyophilized from filtered PBS, pH 7.4.

Storage Instruction: Store at -20°C for 12 months in
lyophilized state.

After reconstitution with deionized water, store at -20 or
-80°C for 1 month.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4481

Gene Symbol: MSR1

Gene Alias: CD204, SCARA1, SR-A, phSR1, phSR2

Gene Summary: This gene encodes 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. [provided by RefSeq]