

## Active Recombinant Human MRC1 protein, His-tagged

Cat. No. MRC1-32H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MRC1(Leu19-Lys1383 (Thr399Ala) & (Leu407Phe)) fused with His tag at C-terminal was expressed in NS0.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	Leu19-Lys1383 (Thr399Ala) & (Leu407Phe)
<b>Predicted N Terminal</b>	Leu19
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. When Mannan is coated at 0.2 µg/mL (100 µL/well), the concentration of Recombinant Human MMR/CD206 that produces 50% of the optimal binding response is approximately 0.2-1.2 µg/mL.
<b>Molecular Mass</b>	Predicted Molecular Mass: 157 kDa;SDS-PAGE: 180 kDa, reducing conditions.
<b>Endotoxin</b>	<0.01 EU per 1 µg of the protein by the LAL method.
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after

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reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Reconstitution**

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name**

MRC1 mannose receptor, C type 1 [ Homo sapiens ]

**Official Symbol**

MRC1

**Synonyms**

MRC1; mannose receptor, C type 1; mannose receptor, C type 1 like 1 , MRC1L1; macrophage mannose receptor 1; bA541119.1; CD206; CLEC13D; CLEC13DL; mannose receptor, C type 1-like 1; C-type lectin domain family 13 member D; macrophage mannose receptor 1-like protein 1; MMR; MRC1L1; MGC181940;

**Gene ID**

4360

**mRNA Refseq**

NM\_002438

**Protein Refseq**

NP\_002429

**MIM**

153618

**UniProt ID**

P22897

**Chromosome Location**

10p13

**Pathway**

Adaptive Immune System, organism-specific biosystem; Antigen processing-Cross

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presentation, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Cross-presentation of soluble exogenous antigens (endosomes), organism-specific biosystem; Immune System, organism-specific biosystem; Phagosome, organism-specific biosystem;

**Function**

binding; mannose binding; receptor activity; sugar binding;

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