

Active Recombinant Human MRC1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human MRC1(Leu19-Lys1383 (Thr399Ala) & (Leu407Phe)) fused with His tag at C-terminal was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	Leu19-Lys1383 (Thr399Ala) & (Leu407Phe)
Predicted N Terminal	Leu19
Form	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	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.
Molecular Mass	Predicted Molecular Mass: 157 kDa;SDS-PAGE: 180 kDa, reducing conditions.
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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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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