

# Recombinant Mouse CD163 Protein

Catalog No.: RP02115   **Recombinant**   **1 Publications**

## Sequence Information

**Species**   **Gene ID**   **Swiss Prot**  
 Mouse      93671      Q2VLH6-1

**Tags**  
 C-His

### Synonyms

M130; CD163 molecule; CD163; GHI/61; HbSR; MM130; SCARI1; sCD163

## Background

The hemoglobin (Hb) scavenger receptor, CD163, is a macrophage-specific protein and the upregulated expression of this receptor is one of the major changes in the macrophage switch to alternative activated phenotypes in inflammation. Accordingly, a high CD163 expression in macrophages is a characteristic of tissues responding to inflammation.

## Basic Information

### Description

Recombinant Mouse CD163 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Thr1045) of mouse CD163 (Accession #NP\_444324.2) fused with 8×His tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Product Information

**Source**      HEK293 cells      **Purification**       $\geq 95\%$  as determined by SDS-PAGE.

**Calculated MW**   **Observed MW**  
 113.08 kDa      140-180 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

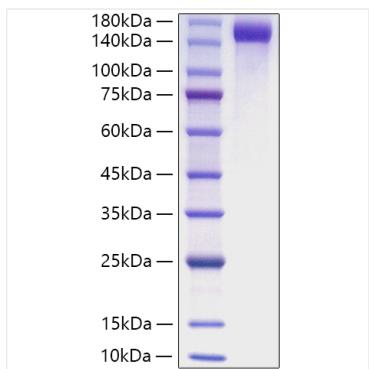
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Validation Data

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Recombinant Mouse CD163 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.