# **Recombinant Mouse CD63 Protein**

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Catalog No.: RP03514 Recombinant

## **Sequence Information**

**Species** Gene ID **Swiss Prot** Human 12512 P41731

Tags NO-Tag

**Synonyms** 

Cd63;CD63 antigen; CD63

## **Product Information**

**Purification** 

HEK293 Cells

≥ 90 % as determined by SDS-

PAGE.

Calculated MW Observed MW

11.5 kDa 10-25 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

## Reconstitution

### **Contact**

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## **Background**

Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FceRI stimulation, but not in mast cell degranulation in response to other stimuli.

### **Basic Information**

#### Description

Recombinant Mouse CD63 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala103-Ile203) of Mouse CD63 (Accession #NP 031679.1) fused with No tag.

### **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.

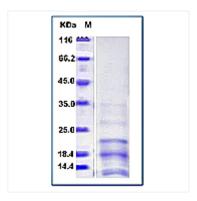
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

### **Operational Notes**

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

## **Validation Data**



Recombinant Mouse CD63 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.