

## Mouse CD36, His Tag, CHO

Catalog Number	LDG011PMM
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Mouse

#### Affinity Tag

His Tag (C-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

#### Form

Lyophilized

#### Expression system

CHO

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4

#### Molecular weight

The protein has a calculated MW of 47.2 kDa.  
The protein migrates as 60-75 kDa under reducing condition (SDS-PAGE analysis).

#### Mycoplasma

Not detected

### Background

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### Background

CD36, a transmembrane glycoprotein, is widely expressed on various cell types including macrophages, adipocytes, and endothelial cells. It serves as a multifunctional receptor involved in lipid metabolism, inflammation, and immune responses. CD36 facilitates the uptake of fatty acids, oxidized low-density lipoproteins (LDL), and other lipid molecules, contributing to cellular lipid homeostasis and foam cell formation in atherosclerosis. Additionally, CD36 recognizes and binds to a diverse range of ligands including microbial pathogens, apoptotic cells, and thrombospondin-1, mediating phagocytosis, innate immune responses, and tissue remodeling. Understanding CD36's diverse functions is crucial for elucidating its roles in health and disease.

### Uniprot ID

Q08857

### Synonyms

Glycoprotein IIIb (GPIIIB), PAS IV, PAS-4, Platelet glycoprotein IV (GPIV)

### Sequence Note

Gly30-Lys439

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

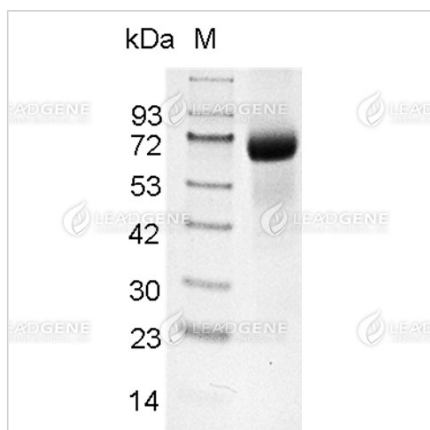
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

## Image



SDS-PAGE analysis of recombinant mouse CD36.

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