

# Mouse CD38 (His Tag) recombinant protein



Catalog Number: 500061

## General Information

### Gene Name Synonym

2'-phospho-ADP-ribosyl cyclase; 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase; 2'-phospho-cyclic-ADP-ribose transferase; ADP-ribosyl cyclase 1; Cyclic ADP-ribose hydrolase 1; I-19; NIM-R5 antigen

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD38 (NP\_031672.2) (Leu 45-Thr 304) was expressed, fused with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Leu 48

### Molecular Mass

The recombinant mouse CD38 consists of 271 amino acids and has a calculated molecular mass of 31.3 kDa. As a result of glycosylation, the apparent molecular mass of rmCD38 is approximately 38-42 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM MES, 0.15M NaCl, pH 6.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

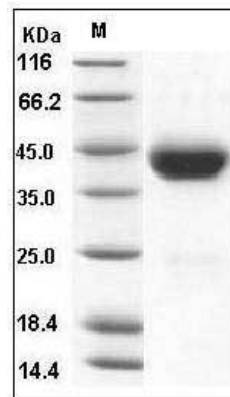
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse CD38 Protein (His Tag) SDS-PAGE