

# Mouse CD39 (His Tag) recombinant protein



Catalog Number: 502914

## General Information

### Gene Name Synonym

Ecto-ATP diphosphohydrolase 1; Ecto-apyrase;  
Lymphoid cell activation antigen

### Protein Construction

A DNA sequence encoding the mouse ENTPD1 (P55772) extracellular domain (Thr 38-Ile 478) was fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured by its ability to hydrolyze the 5'phosphategroups from the substrate adenosine 5'triphosphate(ATP).  
The specific activity is > 25,000 pmoles/min/μg.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Thr 38

## Molecular Mass

The secreted recombinant mouse ENTPD1 consists of 451 amino acids and has a calculated molecular mass of 51 kDa. The recombinant protein migrates as an approximately 105 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

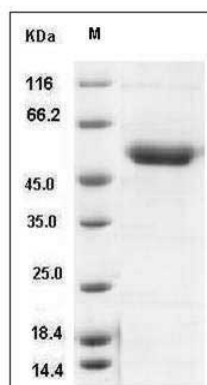
### Storage

Store it under sterile conditions at -20°C to -80°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 CD39 / ENTPD1 Protein (His Tag) SDS-PAGE