

# Mouse CTLA-4/CD152 (His Tag) recombinant protein



Catalog Number: 503267

## General Information

### Gene Name Synonym

Cytotoxic T-lymphocyte-associated antigen 4

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse CTLA4 (NP\_033973.2) (Met 1-Phe 162) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant mouse CTLA4-His (Cat:503267) at 10 µg/ml (100 µl/well) can mouse CD80-Fc (cat:502695) with a linear range of 0.78-62.5 ng/ml.
3. Immobilized recombinant mouse CTLA4-His (Cat:503267) at 10 µg/ml (100 µl/well) can human B7-1-Fc (Cat:503507) with a linear range of 0.78-125 ng/ml.

### Purity

> 98 % 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

Glu 36

## Molecular Mass

The recombinant mouse CTLA4 consists of 138 amino acids and has a predicted molecular mass of 15.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm CTLA4 is approximately 25-30 kDa due to glycosylation.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

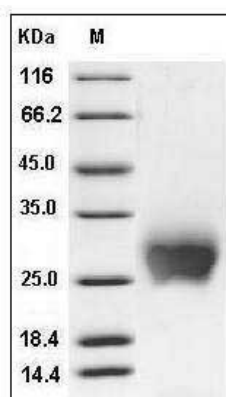
### Storage

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



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