

# Cynomolgus CD80/B7-1 (Fc Tag) recombinant protein



Catalog Number: 501232

## General Information

### Protein Construction

A DNA sequence encoding the cynomolgus CD80 (AAC31555.1) (Met1-Asn242) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Cynomolgus

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized Cynomolgus CTLA4-His (Cat:503512) at 10 µg/ml (100 µl/well) can bind Cynomolgus CD80-Fc, The EC<sub>50</sub> of CynomolgusCD80-Fc is 0.02-0.04 µg/ml.

### Purity

(89.4+9.8) % 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

Val 35

### Molecular Mass

The recombinant cynomolgus CD80 is a disulfide-linked homodimer. The reduced monomer comprises 449 amino acids and has a calculated molecular mass of 50.9 KDa. The apparent molecular mass of the protein is approximately 65 and 44 KDa respectively in SDS-PAGE.

### 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

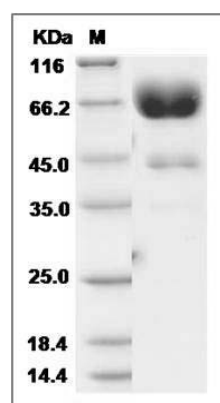
Store it under sterile conditions at -20°C to -80°C.

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



Cynomolgus CD80 / B7-1 Protein (Fc Tag) SDS-PAGE