

# Recombinant Cynomolgus B7-2/CD86 Protein

Catalog No.: RP00731 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus		H9ZFI8

### Tags

C-6xHis

### Synonyms

T-lymphocyte activation antigen CD86 isoform 1; Activation B7-2 antigen; CD86

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

T-lymphocyte activation antigen CD86 (B7-2) is a glycosylated protein in the B7 family. B7 family members are transmembrane cell surface molecules that play important roles in immune activation and the maintenance of immune tolerance. It is highly expressed on activated antigen presenting cells. CD86 involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. It may play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. It is expressed by activated B-lymphocytes and monocytes and promoted by MARCH8 and results in endocytosis and lysosomal degradation.

## Basic Information

### Description

Recombinant Cynomolgus B7-2/CD86 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Tyr31-Pro247) of cynomolgus B7-2/CD86 (Accession #H9ZFI8) fused with a 6xHis tag at the C-terminus.

### Bio-Activity

### Storage

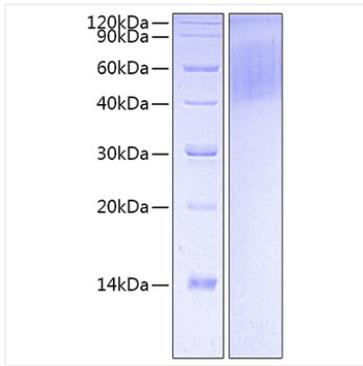
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Cynomolgus B7-2/CD86 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.