

Datasheet for ABIN7273898

**CD86 Protein (CD86) (His-Avi Tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CD86
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD86 protein is labelled with His-Avi Tag.

## Product Details

Sequence:	Leu26-Pro247
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human B7-2, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human CTLA-4, hFc Tag with the EC50 of 0.12µg/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	CD86
Alternative Name:	B7-2 ( <a href="#">CD86 Products</a> )
Background:	CD86 Molecule, CD86, B70, B7-2 antigen, B72, B7-2, BU63, FUN-1, LAB72, MGC34413, CD28LG2, B7-1 and B7-2 are homologous costimulatory ligands expressed on the surface of

## Target Details

antigen presenting cells (APCs). Binding of these molecules to the T cell costimulatory receptors, CD28 and CTLA-4, is essential for the activation and regulation of T cell immunity. B7-1 and B7-2 do not form hetero-oligomers, underscoring the biological relevance of dimeric and monomeric state of B7-1 and B7-2, respectively.

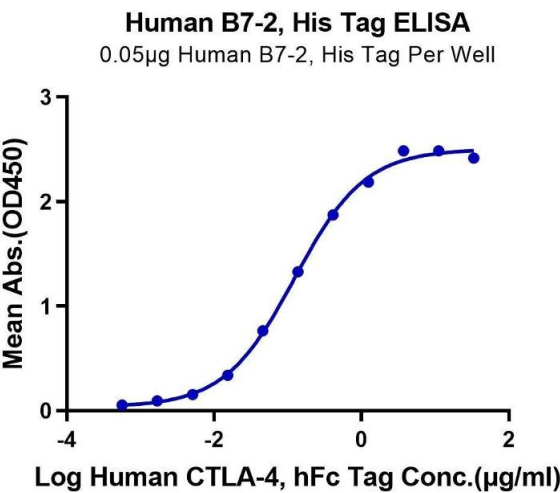
Molecular Weight:	28.2 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Activated T Cell Proliferation</a>

## Application Details

Restrictions:	For Research Use only
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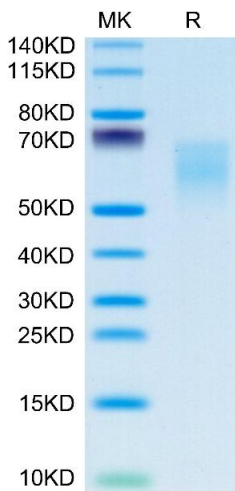
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



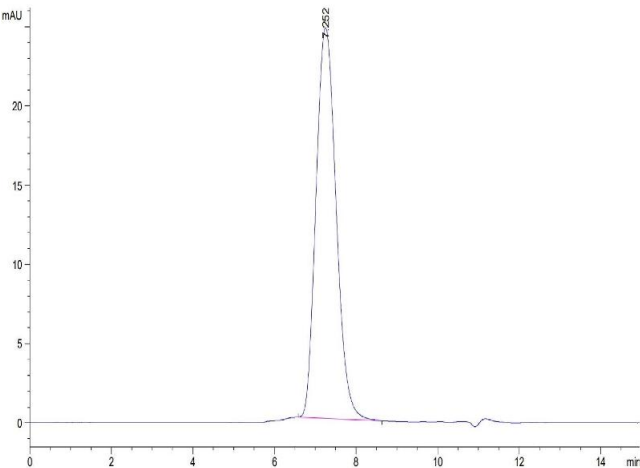
ELISA

**Image 1.** Immobilized Human B7-2, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human CTLA-4, hFc Tag with the EC50 of 0.12 µg/mL determined by ELISA.



SDS-PAGE

**Image 2.** Human B7-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human B7-2 is greater than 95 % as determined by SEC-HPLC.