

## Human CD28 ECD, His-SUMO Tag, HEK293

<b>Catalog Number</b>	LDG014PHM
<b>Package</b>	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Human

#### Expression System

HEK293

#### Affinity Tag

His-SUMO Tag (N-term)

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Molecular weight

The protein has a calculated MW of 28.61 kDa.  
The protein migrates as 48-62 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin Level

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

#### Form

Lyophilized

### Background

#### Tainan Headquarters

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### Background

CD28, a well-known costimulatory receptor expressed on T cells, is a type I transmembrane glycoprotein of the Ig superfamily. When the T cells receive the first signal delivered by APCs (antigen-presenting cells), it initiates signaling cascades, which favor T cell survival and proliferation. It has been demonstrated that patients with lung cancer who responded to PD-1 therapy had more CD28+ T cells, suggesting that CD28 may predict treatment response.

### Uniprot ID

P10747

### Synonyms

TP44

### Sequence Note

Asn19-Pro152

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

## Image

### Tainan Headquarters

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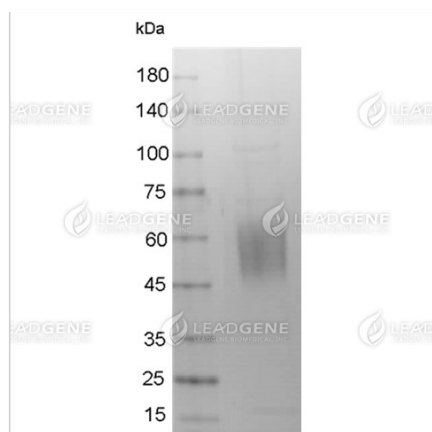
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SDS-PAGE analysis of Human CD28 ECD.

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