

# Recombinant Human / Cynomolgus / Rhesus macaque CD28 protein(Asn 19 - Pro 152), C-hFc-tagged

**Cat. No.** CD28-3909H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human / Cynomolgus / Rhesus macaque CD28 protein(Asn 19 - Pro 152)(P10747-1), fused with C-terminal hFc tag, was expressed in HEK293.
<b>Species</b>	Human / Cynomolgus / Rhesus macaque
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-152 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human / Cynomolgus / Rhesus macaque CD28, Fc Tag (HPLC-verified) at 5 µg/mL (100 µL/well) can bind Biotinylated Human B7-2, Fc,Avitag with a linear range of 0.019-0.625 µg/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 41.6 kDa. The protein migrates as 53-66 kDa under reducing (R) condition, and 100-120 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per ug by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [CD28 CD28 molecule \[ Homo sapiens \]](#)

**Official Symbol** [CD28](#)

**Synonyms** CD28; CD28 molecule; CD28 antigen (Tp44); T-cell-specific surface glycoprotein CD28; T cell specific surface glycoprotein; CD28 antigen; Tp44; MGC138290;

**Gene ID** [940](#)

**mRNA Refseq** [NM\\_001243077](#)

**Protein Refseq** [NP\\_001230006](#)

**MIM** [186760](#)

**UniProt ID** [P10747](#)

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