

## 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.<br>>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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