

MOUSE CD28 PROTEIN, HFC TAG**Cat.#:** 12133**Product Name:** Mouse CD28 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD28;Tp44**Target:** CD28**UNIPROT ID:** P31041**Description:** Recombinant mouse CD28 protein with C-terminal human Fc tag**Background:** Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation.[UniProtKB/Swiss-Prot Function]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 41.2 kDa after removal of the signal peptide. The apparent molecular mass of mCD28-hFc is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** Mouse CD28(Asn20–Lys149) hFc(Glu99–Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

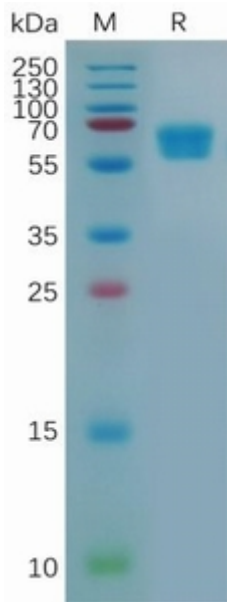


Figure 1. Mouse CD28 Protein, hFc Tag on SDS-PAGE under reducing condition.