

Active Recombinant Cynomolgus CD28 protein(Met1-Pro152), hFc-tagged

Cat. No. CD28-1204C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus CD28 [(Identical to the Rhesus CD28 (NP_001036106.2)] (Met1-Pro152) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Cynomolgus
Source	HEK293
ProteinLength	Met1-Pro152
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized Recombinant Human CD86 / B7-2 Protein (His Tag) at 2 µg/mL (100 µL/well) can bind Recombinant Cynomolgus CD28 / TP44 Protein (Fc Tag, ECD), the EC50 is 100-420 ng/mL. 2. Immobilized Recombinant Human CD80 / B7-1 Protein (His Tag) at 2 µg/mL (100 µL/well) can bind Recombinant Cynomolgus CD28 / TP44 Protein (Fc Tag, ECD), the EC50 is 600-1400 ng/mL.
Molecular Mass	The recombinant cynomolgus CD28 consists 372 amino acids and predicts a molecular mass of 41.9 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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.

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