

Active Recombinant Rat CD28 protein, His-tagged

Cat. No. CD28-1876R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CD28 protein(Asn 20 - Leu 150), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	20-150 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with Trehalose as protectant.
Bio-activity	Loaded Biotinylated Human B7-1, Fc,Avitag on SA Biosensor, can bind Rat CD28, His Tag with an affinity constant of 15 µM as determined in BLI assay (ForteBio Octet Red96e).Loaded Biotinylated Human B7-2, Fc,Avitag on SA Biosensor, can bind Rat CD28, His Tag with an affinity constant of 6.1 µM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 16.9 kDa. The protein migrates as 30-37 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Asn20-Leu150
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after 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 [Rattus norvegicus]
Official Symbol	CD28
Synonyms	CD28; Cd28 molecule; T-cell-specific surface glycoprotein CD28; CD28 antigen; CD28RNA;
Gene ID	25660
mRNA Refseq	NM_013121
Protein Refseq	NP_037253

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