

## Active Recombinant Rat CD28 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat CD28 protein(Asn 20 - Leu 150), fused with His tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	20-150 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with Trehalose as protectant.
<b>Bio-activity</b>	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).
<b>Molecular Mass</b>	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.
<b>Proteinlength</b>	Asn20-Leu150
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	Cd28 Cd28 molecule [ <a href="#">Rattus norvegicus</a> ]
<b>Official Symbol</b>	<a href="#">CD28</a>
<b>Synonyms</b>	CD28; Cd28 molecule; T-cell-specific surface glycoprotein CD28; CD28 antigen; CD28RNA;
<b>Gene ID</b>	<a href="#">25660</a>
<b>mRNA Refseq</b>	<a href="#">NM_013121</a>
<b>Protein Refseq</b>	<a href="#">NP_037253</a>

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