

Recombinant Rat Cd28 Protein, His-tagged

Cat. No. Cd28-669R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cd28 Protein (Asn20-Leu150) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Asn20-Leu150
Description	Enables identical protein binding activity. Involved in T cell activation and T cell costimulation. Located in membrane raft. Used to study lymphopenia. Human ortholog(s) of this gene implicated in multiple sclerosis and type 1 diabetes mellitus. Orthologous to human CD28 (CD28 molecule).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.7 kDa; Accurate Molecular Mass: 19 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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	less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Cd28 Cd28 molecule [<i>Rattus norvegicus</i> (Norway rat)]
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
UniProt ID	P31042

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