Recombinant Mouse Cd28 Protein, His-tagged

Cat. No. Cd28-666M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cd28 Protein (Asn20-Leu150) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn20-Leu150
Description	Enables protein kinase binding activity. Acts upstream of or within several processes, including positive regulation of immune response; positive regulation of intracellular signal transduction; and regulation of lymphocyte activation. Located in external side of plasma membrane and immunological synapse. 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

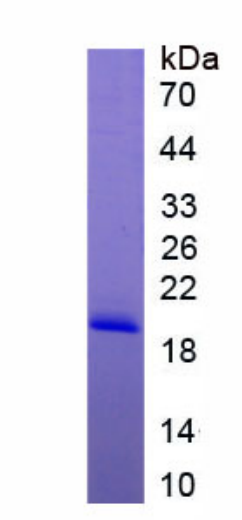
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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Cd28 CD28 antigen [Mus musculus (house mouse)]
Official Symbol	Cd28
Synonyms	CD28; CD28 antigen; T-cell-specific surface glycoprotein CD28;
Gene ID	12487
mRNA Refseq	NM_007642
Protein Refseq	NP_031668
UniProt ID	P31041

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