

Recombinant Rat CD28 Protein, His-tagged

Cat. No. CD28-1100R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Cd28 (EDL98926.1) (Met1-Lys149) was expressed with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-149 a.a.
Predicted N Terminal	Asn 20
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant rat Cd28 consists 141 amino acids and predicts a molecular mass of 16.4 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 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

MIM

UniProt ID

Pathway

Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; CD28

Function

SH3/SH2 adaptor activity; SH3/SH2 adaptor activity; coreceptor activity; protease binding; protease binding; protein homodimerization activity;

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