

Recombinant Mouse CD28 Protein

Catalog No.: RP01211 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12487	P31041

Tags

C-hFc&His

Synonyms

CD28;Tp44;CD28

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
41.84 kDa	55-70 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Mouse CD28 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asn20-Lys149) of mouse CD28 (Accession #NP_031668.3) fused with a Fc, 6×His tag at the C-terminus.

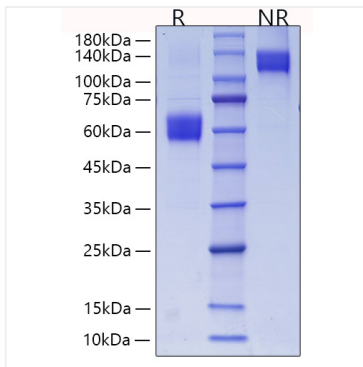
Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Mouse CD86 Protein at 5 μg/mL (100 μL/well) can bind Mouse CD28 with a linear range of 0.0012-1.154 μg/mL.

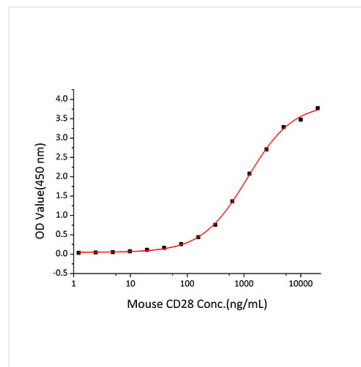
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse CD28 Protein was resolved with SDS PAGE under reducing (R) and non-reducing (NR) conditions showing single bands at 55-70 kDa and 110-140 kDa, respectively.



Immobilized Mouse CD86 Protein at 5 µg/mL (100 µL/well) can bind Mouse CD28 with a linear range of 0.0012-1.154 µg/mL.