

Recombinant Canine CD28 Protein

Catalog No.: RP02714

Sequence Information

Species	Gene ID
Canine	403646
Swiss Prot	Tags
Q9GKP3	C-mFc

Synonyms

CD28 antigen (Tp44); CD28 molecule; CD28; MGC138290

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW Observed MW

41.6 kDa 50–70 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube 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.

Background

CD28 is the receptor for CD80 (B7-1) and CD86 (B7-2) proteins. When activated by Toll-like receptor ligands, the CD80 expression is upregulated in antigen presenting cells (APCs). The CD86 expression on antigen presenting cells is constitutive. CD28 is the only B7 receptor constitutively expressed on naive T cells.

Basic Information

Description

Recombinant Canine CD28 Protein is expressed from Expi293 with mFc tag at the C-terminal.; It contains Thr18–Pro153.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

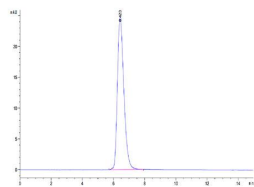
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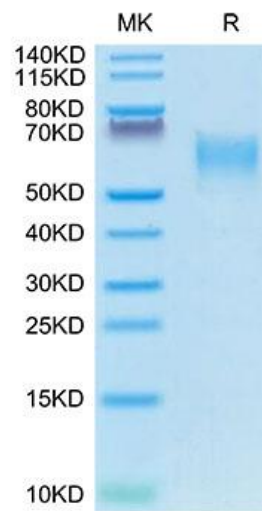
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Validation Data



The purity of Canine CD28 is greater than 95% as determined by SEC-HPLC.



Recombinant Canine CD28 Protein was determined by Tris-Bis PAGE under reducing conditions.