

Recombinant Human/Cynomolgus/Rhesus macaque CD28 Protein

Catalog No.: RP00136 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human,Cyno 940 P10747 molgus,Rhes

Tags C-His

Synonyms CD28;Tp44

us macaque

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

15.98 kDa 35-50 kDa

Endotoxin

 $< 0.1 \; \text{EU/}\mu\text{g}$ 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 stablizer (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

The protein Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation. Isoform 3 enhances CD40L-mediated activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells

Basic Information

Description

Recombinant Human/Cynomolgus/Rhesus macaque CD28 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Asn19-Pro152) of human CD28/TP44 (Accession $\#NP_006130.1$) fused with a 6×His tag at the C-terminus.

Bio-Activity

1.Measured by its binding ability in a functional ELISA. Immobilized Human CD28 Protein at 1 μ g/mL (100 μ L/well) can bind CD28 Rabbit mAb with a linear range of 0.06-1.04 ng/mL.

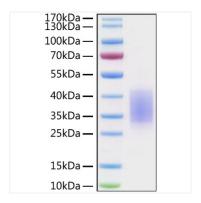
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

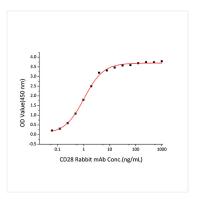
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human CD28 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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