

Recombinant Human CD28 Protein

Cat. No. CD28-321H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD28 (P10747-1) (Met 1-Pro 152) was expressed with six amino acids (LEVLFQ) at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-152 a.a.
Predicted N Terminal	Asn 19
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant human CD28 consists of 141 amino acids and predicts a molecular mass of 15.9 KDa. It migrates as an approximately 23 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % 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 [Homo sapiens]

Official Symbol CD28

Synonyms CD28; CD28 molecule; CD28 antigen (Tp44); T-cell-specific surface glycoprotein CD28; T cell specific surface glycoprotein; CD28 antigen; Tp44; MGC138290;

Gene ID 940

mRNA Refseq NM_001243077

Protein Refseq NP_001230006

MIM 186760

UniProt ID P10747

Chromosome Location 2q33

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 co-stimulation, organism-specific biosystem; CD28 dependent PI3K/Akt signaling, organism-specific biosystem;

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