

## Recombinant Human CD28 Protein, FITC conjugated

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

### SPECIFICATION

<b>Product Overview</b>	FITC conjugated recombinant human CD28 (P10747-1) (Met 1-Pro 152) was expressed with six amino acids (LEVLFQ) at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	141
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	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.
<b>N-terminal Sequence Analysis</b>	Asn 19
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser

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	Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to 70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	FITC

## GENE INFORMATION

<b>Gene Name</b>	CD28 CD28 molecule [ Homo sapiens ]
<b>Official Symbol</b>	CD28
<b>Synonyms</b>	CD28; CD28 molecule; CD28 antigen (Tp44); T-cell-specific surface glycoprotein CD28; T cell specific surface glycoprotein; CD28 antigen; Tp44; MGC138290;
<b>Gene ID</b>	940
<b>mRNA Refseq</b>	NM_001243077
<b>Protein Refseq</b>	NP_001230006

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<b>MIM</b>	186760
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<b>UniProt ID</b>	P10747
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