

Active Recombinant Human CD86 protein, Fc-tagged

Cat. No. CD86-2903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD86 protein(Leu 26-Pro 247), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 26-Pro 247
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 10 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human B7-2, Fc Tag, premium grade at 5 µg/mL (100 µL/well) can bind Biotinylated Human CTLA-4, Fc,Avitag with a linear range of 0.6-10 ng/mL.Immobilized Biotinylated Mouse CD28, His,Avitag at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Human B7-2, Fc Tag, premium grade with a linear range of 5-78 ng/mL.Immobilized Biotinylated Human / Cynomolgus / Rhesus macaque CD28, His,Avitag at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Human B7-2, Fc Tag, premium grade with a linear range of 2-78 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminusThe protein has a calculated MW of 51.5 kDa. The protein migrates as 66-100 kDa under reducing (R) condition, and 120-140 kDa under non-reducing (NR) condition (SDS-PAGE) due to

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	glycosylation.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CD86 CD86 molecule [Homo sapiens]
Official Symbol	CD86
Synonyms	CD86; CD86 molecule; CD28LG2, CD86 antigen (CD28 antigen ligand 2, B7 2 antigen); T-lymphocyte activation antigen CD86; B lymphocyte antigen B7 2; B7 2; B7.2; BU63; FUN-1; CTLA-4 counter-receptor B7.2; B-lymphocyte activation antigen B7-2; CD86 antigen (CD28 antigen ligand 2, B7-2 antigen); B70; B7-2; LAB72; CD28LG2; MGC34413;
Gene ID	942
mRNA Refseq	NM_001206924
Protein Refseq	NP_001193853

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MIM	601020
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UniProt ID	P42081
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