Recombinant Human CD86 Protein, Fc-tagged

Cat. No. CD86-595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD86 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	329
Description	This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.
Form	Lyophilized
Molecular Mass	51.5 kDa
AA Sequence	MDPQCTMGLSNILFVMAFLLSGAAPLKIQAYFNETADLPCQFANSQNQSLSELVVFW QDQENLVLNEVYLGKEKFDSVHSKYMGRTSFDSDSWTLRLHNLQIKDKGLYQCIIHH KKPTGMIRIHQMNSELSVLANFSQPEIVPISNITENVYINLTCSSIHGYPEPKKMSVLLR TKNSTIEYDGVMQKSQDNVTELYDVSISLSVSFPDVTSNMTIFCILETDKTRLLSSPFS

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	IELEDPQPPPDHIPWITAVLPTVIICVMVFCLILWKWKKKKRPRNSYKCGTNTMEREE SEQTKKREKIHIPERSDEAQRVFKSSKTSSCDKSDTCF
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CD86 CD86 molecule [Homo sapiens (human)]
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

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	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
MIM	601020
UniProt ID	P42081

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