

Recombinant Human CD86 Protein, DYKDDDDK-tagged

Cat. No. CD86-253H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD86 molecule(CD86), transcript variant 1(NM_175862), with a DYKDDDDK tag, was expressed in human cells.
Species	Human
Source	Human Cells
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	Purified protein formulated in a sterile solution of TBS buffer, pH7.394, without any preservatives.
Molecular Mass	37.5 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

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](#)

MIM [601020](#)

UniProt ID [P42081](#)

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