

Recombinant Human CD86 Protein, GST-Tagged

Cat. No. CD86-0875H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human CD86 full-length ORF (AAH40261.1, 1 a.a. - 329 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

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.[provided by RefSeq, May 2011]

Molecular Mass 64.1 kDa

AA Sequence

MDPQCTMGLSNILFVMAFLLSGAAPLKIQAYFNETADLPCQFANSQNQSLSELVFW
 QDQENLVLNEVYLGKEKFDVHVKYMGRTSFDSDSWTLRLHNLQIKDKGLYQCIIHH
 KKPTGMIRIHQMNSELSVLANFSQPEIVPISNITENVYINLTCSIIHGYPEPKKMSVLLR
 TKNSTIEYDGIMQKSQDNVTELYDVSISLSVSFPDVTSNMTIFCILETDKTRLLSSPFSI
 ELEDPPPPDHIPWITAVLPTVIICVMVFCLILWKWKKKRPRNSYKCGTNTMEREES
 EQTKKREKIHIPERSDETQRVFKSSKTSSCDKSDTCF

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

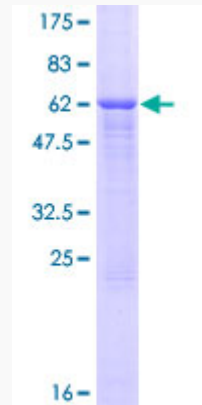
Gene Name	CD86 CD86 molecule [Homo sapiens]
Official Symbol	CD86
Synonyms	CD86; CD86 molecule; CD28LG2, CD86 antigen (CD28 antigen ligand 2, B7 2 antigen); T-lymphocyte activation antigen CD86; B lymphocyte antigen B7 2; B7 2; B7.2; BU63; FUN-1; CTLA-4 counter-receptor B7.2; B-lymphocyte activation antigen 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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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