

Recombinant Human CD86 Protein, Fc-tagged

Cat. No. CD86-019H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD86 / B7-2 (rhCD86-Fc) Leu26-His245 (Accession # AAH40261) was produced in human HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	26-245 a.a.
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	rhCD86-Fc, fused with Fc fragment of human IgG1 at the C-terminal and has a calculated MW of 51.5 kDa expressed. The predicted N-terminal is Leu26. Protein migrates as 80-95 kDa in reduced SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per 1 g of the rhCD86-Fc by the LAL method.
Purity	>96% as determined by SDS-PAGE.

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Notes	Research Use Only. Not for use in diagnostic or therapeutic procedures.
Storage	No activity loss was observed after storage at 4-8 centigrade for 1 month or -20 centigrade for 1 year in lyophilized state. rhCD8 centigrade-Fc should be aliquoted and stored at -8 centigrade centigrade in liquid formulation, for long term storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as a 0.22 µ filtered solution in 50 mM tris, 100 mM glycine, pH7.0 and delivered as liquid formulation or lyophilized powder. Normally mannitol or trehalose are added as protectants before lyophilization. Reconstitution instruction or specific concentrations are included in the hardcopy of CoA along with the products.
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

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