

## Recombinant Human CD86 Protein, Fc-tagged

Cat. No. CD86-151H    Lot. No. (See product label)

### SPECIFICATION

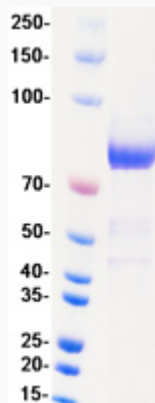
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human protein from the extracellular domain(Leu26-His245) of CD86 molecule(CD86), transcript variant 1(NM_175862), with a Fc tag, was expressed in human cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Leu26-His245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Purified protein formulated in a sterile solution of TBS buffer, pH7.396, without any preservatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 70 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | Endotoxin level is < 0.1 ng/g of protein (<1EU /g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | >90% by SDS-PAGE gel and Coomassie Blue staining                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | CD86 CD86 molecule [ Homo sapiens ]                                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | CD86                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 942                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001206924                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>   | NP_001193853                                                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>              | 601020                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | P42081                                                                                                                                                                                                                                                                                                                                   |



SDS-PAGE

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