

Proteoliposomes

Full-Length

# CD86 (Human) Recombinant Protein

Catalog # H00000942-G01

Size 10 ug

## Specification

|                                      |                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human CD86 full-length ORF (AAH40261.1) recombinant protein without tag.<br>This product is belong to Proteoliposome (PL).                                                                                                                                                                                                                            |
| <b>Sequence</b>                      | MDPQCTMGLSNILFVMAFLLSGAAPLKIQAYFNETADLPCQFANSQNSLSSELVFWQDQENLVL<br>NEVYLGKEKFDSVHSKYMGRTSFSDSWTLRLHNLQIKDKGLYQCIIHHKKPTGMIRIHQMNSELS<br>VLANSQPEIMPISNITENVYINLTCCSIHGYPEPKKMSVLLRTKNSTIEYDGIMQKSQDNVTLEYDVSI<br>SLSVSFPDVTSNMTIFCILETDKTRLLSSPFSIELEDPPPPDHIPWITAVLPTVIICVMVFCLILWKW<br>KKKKRPRNSYKCGTNTMEREESEQTKKREKIHIPERSDETQRVFKSSKTSSCDKSDTCF |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                                                                                                                                                                                                                                 |
| <b>Theoretical MW (kDa)</b>          | 37.7                                                                                                                                                                                                                                                                                                                                                  |
| <b>Interspecies Antigen Sequence</b> | Mouse (50); Rat (57)                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>                          | Liquid                                                                                                                                                                                                                                                                                                                                                |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system with proprietary liposome technology</a>                                                                                                                                                                                                                                                            |
| <b>Purification</b>                  | None                                                                                                                                                                                                                                                                                                                                                  |
| <b>Recommend Usage</b>               | Heating may cause protein aggregation. Please do not heat this product before electrophoresis.                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b>                | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                                                                                                                                                       |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                       |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                |

## Applications

- Antibody Production

## Gene Info — CD86

Entrez GeneID

[942](#)

GeneBank Accession#

[BC040261.1](#)

Protein Accession#

[AAH40261.1](#)

Gene Name

CD86

Gene Alias

B7-2, B70, CD28LG2, LAB72, MGC34413

Gene Description

CD86 molecule

Omim ID

[601020](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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 two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequence has not been determined. [provided by RefSeq]

Other Designations

B-lymphocyte activation antigen B7-2|B7-2 antigen|CD28 antigen ligand 2|CD86 antigen|CD86 antigen (CD28 antigen ligand 2, B7-2 antigen)|CTLA-4 counter-receptor B7.2

## Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)
- [Systemic lupus erythematosus](#)
- [Toll-like receptor signaling pathway](#)
- [Type I diabetes mellitus](#)

## Disease

- [Acute Disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Eruptions](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Multiple Sclerosis](#)
- [Papillomavirus Infections](#)
- [Pemphigus](#)

- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Scleroderma](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)