

# Recombinant Cynomolgus monkey CD86 Protein

**Cat. No.** CD86-592C    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Cynomolgus monkey CD86 protein without tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 324                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 27.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | TMGLSNTLFVMAFLLSGAAPLKIQAYFNETADLPCQFANSQNRSLSELVFWQNQE<br>NLVLNEVYLGKEKFDSVHSKYMGRTSFDPESWTLRLHNLQIKDKGLYQCIHHKRPT<br>GMIRIHQMNSELSVLANFSQPEIVPISNITENMYINLTCSSIHGYPEPEKMSVLLRTKN                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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STIEYDGVMQKSQDNVTELYDVSISLSVSFPDVTSNMTIFCVLETDKTQLLSSPFSIEL  
EDPQPPPDHIPWITAVLPTVIICVMAFCLILWKWKKKKQPRNSYKCGTNTMERESE  
QTKKREKINVPERSDEAQC VF KSLKTPSCDKSDTRF

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).  
After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** CD86 CD86 molecule [ *Macaca mulatta* (Rhesus monkey) ]

**Official Symbol** CD86

**Synonyms** CD86; CD86 molecule; T-lymphocyte activation antigen CD86; CD86 antigen;

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|----------------|--------------|
| Gene ID        | 714390       |
| mRNA Refseq    | NM_001042644 |
| Protein Refseq | NP_001036109 |
| UniProt ID     | Q9BDM4       |

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