

## Recombinant Mouse CD86 Protein

**Cat. No.** CD86-596M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Mouse CD86 protein without tag was expressed in HEK293.  |
| <b>Species</b>          | Mouse  |
| <b>Source</b>           | HEK293   |
| <b>ProteinLength</b>    | 309  |
| <b>Description</b>      | <p>Predicted to enable signaling receptor binding activity. Involved in several processes, including CD40 signaling pathway; activation of phospholipase C activity; and positive regulation of macromolecule metabolic process. Acts upstream of or within several processes, including cellular response to lipopolysaccharide; defense response to virus; and positive regulation of T cell proliferation. Located in external side of plasma membrane and intracellular membrane-bounded organelle. Is expressed in central nervous system and retina. Used to study Guillain-Barre syndrome. Human ortholog(s) of this gene implicated in several diseases, including Henoch-Schoenlein purpura; autoimmune disease (multiple); chronic lymphocytic leukemia; chronic obstructive pulmonary disease; and systemic sclerosis. Orthologous to human CD86 (CD86 molecule).</p> |
| <b>Form</b>             | Lyophilized  |
| <b>Molecular Mass</b>   | 27.1 kDa   |
| <b>AA Sequence</b>      | MDPRCTMGLAILIFVTLLISDAVSVETQAYFNGTAYLPCPFTKAQNISLSELVVFQW  |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

DQQKLVLYEHLGTEKLDVNAKYLGRTSFDRNNWTLRLHNVQIKDMGSYDCFIQK  
 KPPTGSILQQTLELSVIANFSEPEIKLAQNVGTGNSGINLTCTSKQGHPKPKKMYFLIT  
 NSTNEYGDNMQISQDNVTELSISNSLSLSPDGVWHMTVVCVLETESMKISSKPLN  
 FTQEFPSQTYWKEITASVTVALLLVMLLIIVCHKKPNQPSRPSNTASKLERDSNADR  
 ETINLKELEPQIASAKPNAE

**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 antigen [ *Mus musculus* (house mouse) ]

**Official Symbol** CD86

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|                       |   |
|-----------------------|---|
| <b>Synonyms</b>       | CD86; CD86 antigen; T-lymphocyte activation antigen CD86; activation B7-2 antigen; early T cell costimulatory molecule-1; early T-cell costimulatory molecule 1; B7; B70; MB7; B7-2; B7.2; CLS1; Ly58; ETC-1; Ly-58; MB7-2; Cd28l2; TS/A-2; |
| <b>Gene ID</b>        | <a href="#">12524</a>   |
| <b>mRNA Refseq</b>    | <a href="#">NM_019388</a>   |
| <b>Protein Refseq</b> | <a href="#">NP_062261</a>   |
| <b>UniProt ID</b>     | <a href="#">P42082</a>  |

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