

# Recombinant Mouse CTLA4 Protein

**Cat. No.** CTLA4-653M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse CTLA4 protein without tag was expressed in HEK293.                                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 223                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene is a member of the immunoglobulin superfamily, and encodes a protein that functions as a negative regulator of T-cell responses. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 15.9 kDa                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MACLGRLRRYKAQLQLPSRTWPFVALLTLLFIPVFSEAIQVTQPSVVLASSHGVASFPC<br>EYSPSHNTDEV RVTVLRQTNDQMTEVCATTFTEKNTVGFLDYPFCSGTFNESRVNL<br>TIQGLRAVD TGLYLCKVELMYPPPYFVGMNGTQIYVIDPEPCPDSDFLWILVAVSL<br>GLFFYSFLVSAVSLSKMLKKRSPLTTGVYVKMPPTPECEKQFQPYFIPIN         |
| <b>Purity</b>           | > 98%                                                                                                                                                                                                                                               |
| <b>Applications</b>     | WB; ELISA; FACS; FC                                                                                                                                                                                                                                 |

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|                       |                                                                                                                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | 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.                                                                      |
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                          |
| <b>Concentration</b>  | 1 mg/mL                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H2O 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

|                        |                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Ctla4 cytotoxic T-lymphocyte-associated protein 4 [ Mus musculus (house mouse) ]                                                                                        |
| <b>Official Symbol</b> | CTLA4                                                                                                                                                                   |
| <b>Synonyms</b>        | CTLA4; cytotoxic T-lymphocyte-associated protein 4; cytotoxic T-lymphocyte protein 4; CD152 antigen; cytotoxic T-lymphocyte-associated antigen 4; Cd152; Ly-56; Ctla-4; |
| <b>Gene ID</b>         | 12477                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_009843                                                                                                                                                               |
| <b>Protein Refseq</b>  | NP_033973                                                                                                                                                               |

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**UniProt ID**

P09793

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