

## Recombinant Mouse CD40 protein(Met1-Arg193), hFc-tagged

**Cat. No.** CD40-1088M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse CD40 (NP_035741.2) (Met1-Arg193) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Met1-Arg193                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                  |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA. Immobilized mCD40-Fc at 10 µg/mL (100 µL/well) can bind cynoCD40LG-Fc/Biotin.                                                                                                            |
| <b>Molecular Mass</b>   | The recombinant mouse CD40 consists of 415 amino acids and predicts a molecular mass of 46.4 kDa.                                                                                                                                               |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                        |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** Cd40 CD40 antigen [ Mus musculus ]

**Official Symbol** CD40

**Synonyms**

CD40; CD40 antigen; tumor necrosis factor receptor superfamily member 5; CD40L receptor; B-cell surface antigen CD40; T-cell differentiation antigen; tumor necrosis factor receptor superfamily, member 5; IGM; p50; Bp50; GP39; IMD3; TRAP; HIGM1; T-BAM; Tnfrsf5; AI326936;

**Gene ID** 21939

**mRNA Refseq** NM\_011611

**Protein Refseq** NP\_035741

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