

## Active Recombinant Human CD40L protein, hFc-tagged

**Cat. No.** CD40L-2219H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD40L protein(NP_000065.1)(Met113-Leu261), fused with hFc tag, was expressed in HEK293.                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Met113-Leu261                                                                                                                                                                                                                                                                                                      |
| <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>     | 1. Immobilized human CD40 at 2 µg/ml (100 µl/well) can bind human CD40L Fc Chimera with a linear range of 1.28-32 ng/ml. 2. Measured by its ability to induce CD40 pathway activation in a Luciferase receptor Assay System. The IC50 for this effect is 10-100 ng/mL.                                             |
| <b>Molecular Mass</b>   | The recombinant human CD40L/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 386 amino acids and has a predicted molecular mass of 42.8 kDa. The apparent molecular mass of rh CD40L/Fc monomer is approximately 47.8 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                   |

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**Storage**

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.

**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.

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