

Active Recombinant Human CD40L protein, hFc-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CD40L protein(NP_000065.1)(Met113-Leu261), fused with hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met113-Leu261
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 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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