

# Active Recombinant Human CD40LG protein, hFc&Avi-tagged, Biotinylated

**Cat. No.** CD40LG-280H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human CD40LG protein(NP_000065.1)(Met113-Leu261), fused with hFc tag and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	113-261 a.a.
<b>Form</b>	Lyophilized from sterile 20 mM Tris, 150 mM NaCl, pH 8.5. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	Immobilized Human CD40 His at 2 µg/mL (100 µL/well) can bind Human CD40 Ligand (ECD, hFc & AVI Tag), Biotinylated, the EC50 is 5-40 ng/mL.
<b>Molecular Mass</b>	The recombinant human CD40LG consists of 402 amino acids and predicts a molecular mass of 44.7 kDa.
<b>Proteinlength</b>	Met113-Leu261
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.

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<b>Purity</b>	> 85 % 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.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	CD40LG CD40 ligand [ Homo sapiens ]
<b>Official Symbol</b>	CD40LG
<b>Synonyms</b>	CD40LG; CD40 ligand; HIGM1, IMD3, TNFSF5, tumor necrosis factor (ligand) superfamily, member 5 (hyper IgM syndrome); CD40 antigen ligand; CD40L; CD154; gp39; hCD40L; hyper IgM syndrome; T B cell activating molecule; TNF related activation protein; TRAP; tumor necrosis factor (ligand) superfamily member 5; CD40-L; T-cell antigen Gp39; T-B cell-activating molecule; TNF-related activation protein; IGM; IMD3; HIGM1; T-BAM; TNFSF5;
<b>Gene ID</b>	959
<b>mRNA Refseq</b>	NM_000074
<b>Protein Refseq</b>	NP_000065
<b>MIM</b>	300386

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UniProt ID

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