

# Active Recombinant Human CD40 Protein, Fc & Avi-tagged, Biotinylated

**Cat. No.** CD40-371H    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**

Recombinant Human CD40 Protein, Fc & Avi-tagged, Biotinylated is expressed from human 293 cells (HEK293). It contains AA Glu 21 - Arg 193 (Accession # P25942-1). Predicted N-terminus: Glu 21. This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag. The protein has a calculated MW of 48.1 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.

**Species** Human

**Source** HEK293

**ProteinLength** Glu 21 - Arg 193

**Form** Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.

**Bio-activity**

Immobilized Human CD40 Ligand, His Tag at 5 µg/mL (100 µL/well) can bind Recombinant Human CD40 Protein, Fc & Avi-tagged, Biotinylated with a linear range of 0.313-2.5 µg/mL (QC tested). FACS analysis shows that Recombinant Human CD40 Protein, Fc & Avi-tagged, Biotinylated can bind to 293T cells overexpressing human CD40L. The concentration of Biotinylated Human CD40 is 0.1 µg/ml (Routinely tested).

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<b>Molecular Mass</b>	48.1 kDa
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Notes</b>	Please avoid repeated freeze-thaw cycles.
<b>Stability</b>	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CD40 CD40 molecule, TNF receptor superfamily member 5 [ Homo sapiens ]
<b>Official Symbol</b>	CD40
<b>Synonyms</b>	CD40; CD40 molecule, TNF receptor superfamily member 5; Bp50; p50; CD40L receptor; CDW40; TNFRSF5; MGC9013;
<b>Gene ID</b>	958

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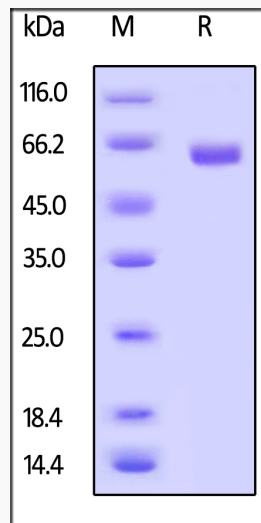
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mRNA Refseq [NM\\_001250](#)

Protein Refseq [NP\\_001241](#)

MIM [109535](#)

UniProt ID [P25942](#)



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