

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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Molecular Mass	48.1 kDa
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	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.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD40 CD40 molecule, TNF receptor superfamily member 5 [Homo sapiens]
Official Symbol	CD40
Synonyms	CD40; CD40 molecule, TNF receptor superfamily member 5; Bp50; p50; CD40L receptor; CDW40; TNFRSF5; MGC9013;
Gene ID	958

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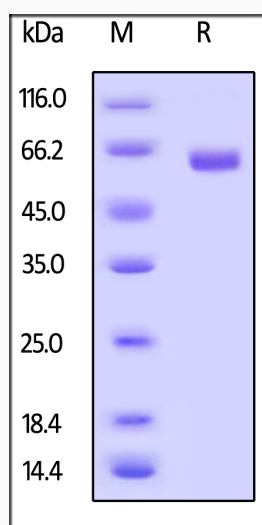
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mRNA Refseq NM_001250

Protein Refseq NP_001241

MIM 109535

UniProt ID P25942



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