

Recombinant Human CD40 protein(Met1-Arg193), hFc-tagged

Cat. No. CD40-493H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD40 (NP_001241.1) (Met1-Arg193) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-193 a.a.
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	Immobilized human CD40L-His at 10 µg/mL (100 µL/well) can bind Human CD40-Fc. The EC50 of Human CD40-Fc is 10-30 ng/mL.
Molecular Mass	The recombinant human CD40 consists 414 amino acids and predicts a molecular mass of 46.2 kDa. As a result of glycosylation, the apparent molecular mass of human CD40 is approximately 54.1 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE. > 95 % as determined by SEC-HPLC.
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

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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.

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; TNFRSF5, tumor necrosis factor receptor superfamily, member 5; tumor necrosis factor receptor superfamily member 5; Bp50; p50; CD40L receptor; CD40 type II isoform; B cell-associated molecule; B cell surface antigen CD40; B-cell surface antigen CD40; CD40 antigen (TNF receptor superfamily member 5); tumor necrosis factor receptor superfamily, member 5; nerve growth factor receptor-related B-lymphocyte activation molecule; CDW40; TNFRSF5; MGC9013;

Gene ID 958

mRNA Refseq NM_001250

Protein Refseq NP_001241

MIM 109535

UniProt ID P25942

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