

# Active Recombinant Human CD40 protein, His-tagged, Low Endotoxin

**Cat. No.** CD40-2221H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD40 protein(P25942-1)(Glu21-Arg193), fused with C-terminal His tag, was expressed in HEK293.                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 21-193 aa                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                             |
| <b>Bio-activity</b>     | Immobilized Human CD40, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human/Cynomolgus/Rhesus macaque CD40 Ligand (Trimer), hFc Tag with the EC50 of 79.7ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 20 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Bis-Tris PAGE result.                                                                           |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                                                |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                                                          |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                                                          |

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## 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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