

# Recombinant Human CD40 protein, hFc-tagged

**Cat. No.** CD40-017H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD40 protein(P25942-1)(Glu21-Arg193), fused with C-terminal hFc tag, was expressed in HEK293.                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                          |
| <b>ProteinLength</b>    | Glu21-Arg193                                                                                                                                                                    |
| <b>Tag</b>              | C-hFc                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                  |
| <b>Bio-activity</b>     | Immobilized Human CD40 Ligand Trimer, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human CD40, hFc Tag with the EC50 of 101.8ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 45.9 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.                                              |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                         |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC                                                                                                               |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                                                                                                                                                                                                                                                                                                                |
| <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; 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; |
| <b>Gene ID</b>          | 958                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_001250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>   | NP_001241                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MIM</b>              | 109535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>       | P25942                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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