

# Recombinant Human CD40LG protein, monomeric hFc-tagged

**Cat. No.** CD40LG-6887H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD40LG protein(P29965)(Met113-Leu261), fused with N-terminal monomeric hFc tag, was expressed in HEK293.                                                       |
| <b>Species</b>          | Human                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                           |
| <b>ProteinLength</b>    | Met113-Leu261                                                                                                                                                                    |
| <b>Tag</b>              | N-monomeric 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, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human CD40 Ligand (Trimer), hFc Tag with the EC50 of 29.8ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 74.9 kDa. Due to glycosylation, the protein migrates to 75-80 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                                                                                                                |

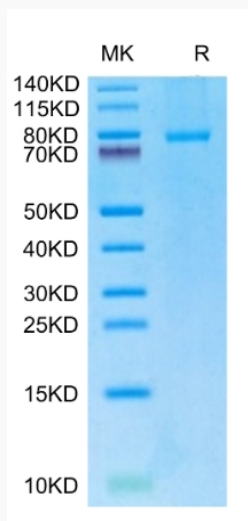
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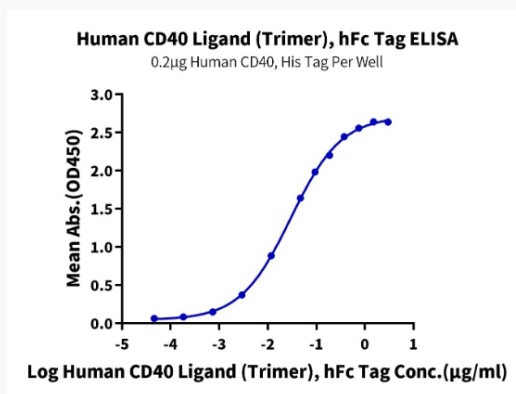
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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>        | CD40LG CD40 ligand [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Official Symbol</b>  | CD40LG                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | CD40LG; CD40 ligand; HIGM1, IMD3, TNFSF5, tumor necrosis factor (ligand) superfamily, member 5 (hyper IgM syndrome); CD40 antigen ligand; CD40L; CD154; gp39; hCD40L; hyper IgM syndrome; T B cell activating molecule; TNF related activation protein; TRAP; tumor necrosis factor (ligand) superfamily member 5; CD40-L; T-cell antigen Gp39; T-B cell-activating molecule; TNF-related activation protein; IGM; IMD3; HIGM1; T-BAM; TNFSF5; |
| <b>Gene ID</b>          | 959                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_000074                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>   | NP_000065                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>              | 300386                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>       | P29965                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Tris-Bis PAGE



## ELISA Data



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