

# Recombinant Human CD40L Protein, His/Flag-tagged

**Cat. No.** CD40L-102H    **Lot. No.** (See product label)

## SPECIFICATION

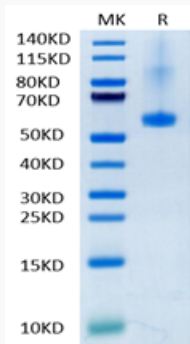
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CD40L/CD154 is expressed from mammalian with a His tag and Flag at the N-terminal. It contains M113-L261 Trimer design.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | M113-L261                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | CD40 ligand or CD40L, also called CD154, is a protein that is primarily expressed on activated T cells and is a member of the TNF superfamily of molecules. It binds to CD40 (protein) on antigen-presenting cells (APC), which leads to many effects depending on the target cell type. In total CD40L has three binding partners: CD40, $\alpha 5\beta 1$ integrin and $\alpha 11\beta 3$ . CD154 acts as a costimulatory molecule and is particularly important on a subset of T cells called T follicular helper cells. |
| <b>Form</b>             | Supplied as 0.22um filtered solution in PBS (pH 7.4).                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | Less than 0.05 EU per ug by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE. > 95% as determined by HPLC.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## GENE INFORMATION

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|                                    |                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------|
| <b>Gene Name</b>                   | CD40LG CD40 ligand [ Homo sapiens (human) ]                                         |
| <b>Official Symbol</b>             | CD40LG                                                                              |
| <b>Synonyms</b>                    | IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L                   |
| <b>Gene ID</b>                     | 959                                                                                 |
| <b>mRNA Refseq</b>                 | NM_000074.3                                                                         |
| <b>Protein Refseq</b>              | NP_000065.1                                                                         |
| <b>MIM</b>                         | 300386                                                                              |
| <b>UniProt ID</b>                  | P29965                                                                              |
| <b>Tris-Bis PAGE of CD40L-102H</b> |  |

**SEC-HPLC of CD40L-  
102H**

