

# Recombinant Human CD40LG protein, His-Flag-tagged, Biotinylated

**Cat. No.** CD40LG-102HB    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Human CD40L/CD154 is expressed from mammalian with a His tag and Flag at the Nterminal. It contains M113-L261 Trimer design.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	It contains M113-L261 Trimer design.
<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>Molecular Mass</b>	The protein has a predicted MW of 52.4 kDa, Due to glycosylation, the protein migrates to 55KDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.05EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

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<b>Storage</b>	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

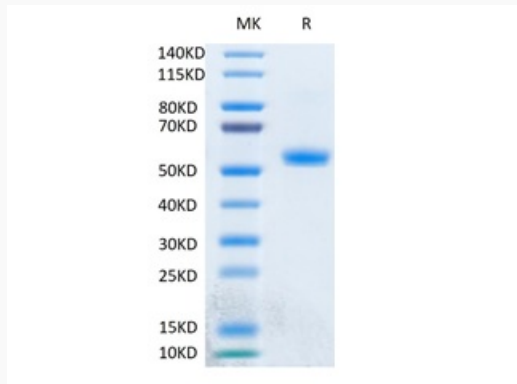
<b>Gene Name</b>	CD40LG CD40 ligand [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD40LG
<b>Synonyms</b>	CD40L; CD40-L; CD40LG; CD154 antigen; CD154; TNFSF5; TNFSF5IMD3; CD40 antigen ligand; CD40 Ligand; CD40LIGM; gp39; hCD40L; HIGM1; T-B cell-activating molecule; T-BAM; T-cell antigen Gp39; TNF-related activation protein; TRAP; TRAPtumor necrosis factor (ligand) superfamily, member 5 (hyper-IgM syndrome); tumor necrosis factor (ligand) superfamily member 5; Tumor necrosis factor ligand superfamily member 5
<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

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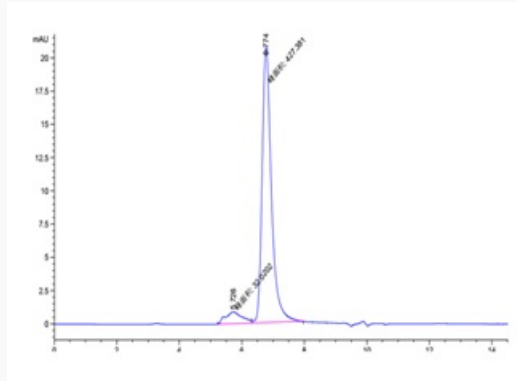
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**Tris-Bis PAGE**



**HPLC data**



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