

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

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

SPECIFICATION

Product Overview	Biotinylated Human CD40L/CD154 is expressed from mammalian with a His tag and Flag at the Nterminal. It contains M113-L261 Trimer design.
Species	Human
Source	HEK293
ProteinLength	It contains M113-L261 Trimer design.
Description	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 $\alpha 1\beta 3$. CD154 acts as a costimulatory molecule and is particularly important on a subset of T cells called T follicular helper cells.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 52.4 kDa, Due to glycosylation, the protein migrates to 55KDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.05EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

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

GENE INFORMATION

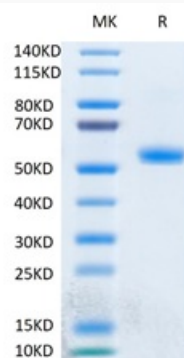
Gene Name	CD40LG CD40 ligand [Homo sapiens (human)]
Official Symbol	CD40LG
Synonyms	CD40L; CD40-L; CD40LG; CD154 antigen; CD154; TNFSF5; TNFSF5IMD3; CD40 antigen ligand; CD40 Ligand; CD40LIGM; gp39; hCD40L; HIGM1; T-B cell-activating molecule; T-BAM; T-cell antigen Gp39; TNF-related activation protein; 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
Gene ID	959
mRNA Refseq	NM_000074.3
Protein Refseq	NP_000065.1
MIM	300386
UniProt ID	P29965

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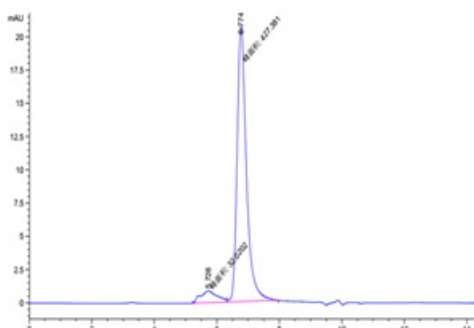
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Tris-Bis PAGE



HPLC data



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