

Active Recombinant Human CD40LG Protein (Met1-Leu261), C-His tagged, Animal-free, Carrier-free

Cat. No. CD40LG-323H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD40LG Protein (Met1-Leu261) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Met1-Leu261
Description	Human CD40L (CD154) is one member of TNF family which is expressed on T cells. It binds the CD40, which is on the antigen-presenting cells (ex: B cells, macrophages and monocytes) Human CD40L is a 21.6 kDa cytokine with 103 amino acid residues which is a transmembrane glycoprotein. Human CD40L plays an important role in the adaptive immune system which induces the B cell maturation and activation.
Form	Lyophilized
Bio-activity	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED50 for this effect is < 5 ng/mL.
Molecular Mass	The protein has a calculated MW of 16.99 kDa. The protein migrates as 16 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	CD40LG CD40 ligand [Homo sapiens (human)]
Official Symbol	CD40LG
Synonyms	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;
Gene ID	959

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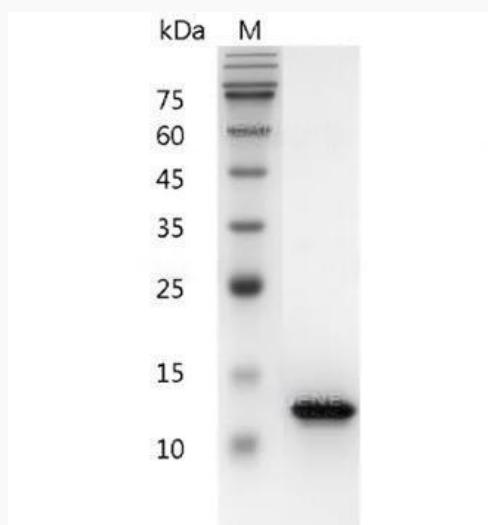
mRNA Refseq [NM_000074](#)

Protein Refseq [NP_000065](#)

MIM [300386](#)

UniProt ID [P29965](#)

SDS-PAGE analysis
of recombinant
human CD40L.



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