

Active Recombinant Human CD40LG Protein, His-tagged

Cat. No. CD40LG-0947H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CD40LG Protein(NP_000065.1) (Glu 108-Leu 261) was expressed in E.coli with an initial Met at the N-terminus and a polyhistidine tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	108-261 aa
Form	Lyophilized from sterile PBS, pH 7.4, 10% glycerol.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human CD40 at 2 µg/ml (100 µl/well) can bind biotinylated human CD40L with a linear range of 15.6-500 ng/ml. 2. Immobilized human CD40 / Fc at 2 µg/ml (100 µl/well) can bind biotinylated human CD40L with a linear range of 7.8-125 ng/ml.
Molecular Mass	The recombinant human CD40L consists of 161 amino acids and has a calculated molecular mass of 17.7 kDa. It migrates as an 18 kDa band in SDS-PAGE under reducing conditions.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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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.

GENE INFORMATION

Gene Name [CD40LG CD40 ligand \[Homo sapiens \]](#)

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](#)

mRNA Refseq [NM_000074](#)

Protein Refseq [NP_000065](#)

MIM [300386](#)

UniProt ID [P29965](#)

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SDS-PAGE



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