

# Active Recombinant Human CD40LG protein, hFc-Flag-tagged

Cat. No. CD40LG-847H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD40LG protein(P29965)(13-261aa), fused to N-terminal hFc and Flag tags, was expressed in Mammalian cell.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	13-261aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Bio-activity</b>	1. Measured by its binding ability in a functional ELISA. Immobilized CD40L at 2 µg/ml can bind Anti- CD40L Rabbit Monoclonal Antibody, the EC50 is 2.353-3.232 ng/ml. 2. Measured by its binding ability in a functional ELISA. Immobilized CD40 at 2 µg/ml can bind CD40L, the EC50 is 3.112-3.858 ng/ml. 3. Human CD40 protein hFc tag captured on COOH chip can bind Human CD40L protein hFc and Flag tag with an affinity constant of 2.06 nM as detected by LSPR Assay.
<b>Molecular Mass</b>	44.5KDa
<b>AA Sequence</b>	MQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYTMSNNLVTLENGKQLTVKRQGL YYIYAQVTFCSNREASSQAPFIASLCLKSPGRFERILLRAANTHSSAKPCGQQSIHLG GVFELQPGASVFNVTDPSSQVSHGTGFTSFGLLKL

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<b>Endotoxin</b>	Less than 1.0 EU/ug as determined by LAL method.
<b>Purity</b>	Greater than 93% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

## GENE INFORMATION

<b>Gene Name</b>	CD40LG CD40 ligand [ Homo sapiens ]
<b>Official Symbol</b>	CD40LG
<b>Synonyms</b>	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;
<b>Gene ID</b>	959
<b>mRNA Refseq</b>	NM_000074
<b>Protein Refseq</b>	NP_000065
<b>MIM</b>	300386

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UniProt ID

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