

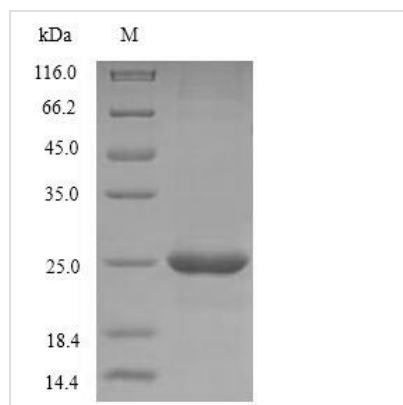


# Recombinant Human CD40 ligand (CD40LG), partial

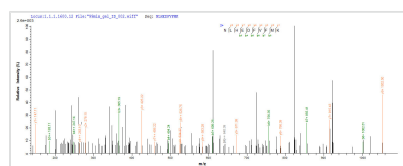
<b>Product Code</b>	CSB-YP004937HU1
<b>Relevance</b>	Cytokine that binds to CD40/TNFRSF5 (PubMed:1280226). Costimulates T-cell proliferation and cytokine production. Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation (PubMed:8617933). Induces the activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells. Induces tyrosine phosphorylation of isoform 3 of CD28 (PubMed:15067037). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4. Involved in immunoglobulin class switching Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway.
<b>Abbreviation</b>	Recombinant Human CD40LG protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P29965
<b>Alias</b>	T-cell antigen Gp39 TNF-related activation protein Short name:TRAP Tumor necrosis factor ligand superfamily member 5 CD_antigen: CD154 Cleaved into the following 2 chains: CD40 ligand, membrane form CD40 ligand, soluble form
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	HRRLDKIEDERNLHEDFVFMKTIQRCNTGERSLSLLNCEEIKSQFEGFVKDIML NKEETKKENSFEMQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYTMSNNL VTLENGKQLTVKRQGLYYIYAQVTFCSNREASSQAPFIASLCLKSPGRFERILL RAANTHSSAKPCGQQSIHLGGVFELQPGASVFNVTDP SQVSHGTGFTSFGL LKL
<b>Research Area</b>	Immunology
<b>Source</b>	Yeast
<b>Target Names</b>	CD40LG
<b>Protein Names</b>	Recommended name: CD40 ligand Short name= CD40-L Alternative name(s): T-cell antigen Gp39 TNF-related activation protein Short name= TRAP Tumor necrosis factor ligand superfamily member 5 CD_antigen= CD154 Cleaved into the foll
<b>Expression Region</b>	47-261aa



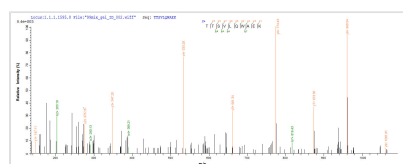
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	26.1kDa
<b>Protein Length</b>	Extracellular Domain

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP004937HU1 could indicate that this peptide derived from Yeast-expressed Homo sapiens (Human) CD40LG.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP004937HU1 could indicate that this peptide derived from Yeast-expressed Homo sapiens (Human) CD40LG.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.