

Datasheet for ABIN7319782  
**CD40 Ligand Protein (CD40LG)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	CD40 Ligand (CD40LG)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant

## Product Details

Purpose:	Recombinant Human CD40 Ligand/CD40L//TNFSF5 (N-mFc)
Sequence:	Met113-Leu261
Characteristics:	Recombinant Human CD40 Ligand is produced by our Mammalian expression system and the target gene encoding Met113-Leu261 is expressed with a mFc tag at the N-terminus.
Purity:	>90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	CD40 Ligand (CD40LG)
Alternative Name:	CD40 Ligand/CD40LTNFSF5 ( <a href="#">CD40LG Products</a> )
Background:	Background: CD40 Ligand (CD40LG) is a type II transmembrane glycoprotein that belongs to the TNF superfamily. Like other TNF superfamily members, CD40LG exists as a trimer in membrane bound and soluble form, both of which are bioactive. CD40LG is a ligand for CD40, its ligation also initiates signal transduction in CD40LG expressing cells. CD40LG is a

## Target Details

differentiation antigen that is expressed on the surface of T-cells. It stimulates B-cell proliferation and secretion of all immunoglobulin isotypes in the presence of cytokines. CD40LG has been shown to induce cytokine production and tumoricidal activity in peripheral blood monocytes. It also co-stimulates proliferation of activated T-cells and this is accompanied by the production of IFN-gamma, TNF-alpha, and IL2.

Synonym: CD40 Ligand, CD40-L, T-Cell Antigen Gp39, TNF-Related Activation Protein, TRAP, Tumor Necrosis Factor Ligand Superfamily Member 5, CD154, CD40LG, CD40L, TNFSF5, TRAP

Molecular Weight: 42.7 kDa

UniProt: [P29965](#)

Pathways: [NF-kappaB Signaling](#), [Production of Molecular Mediator of Immune Response](#), [Cancer Immune Checkpoints](#)

## Application Details

Restrictions: For Research Use only

## Handling

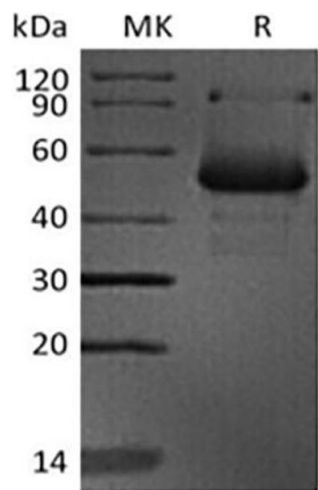
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, 1 mM EDTA, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.