

Datasheet for ABIN7274321

**CD40 Ligand Protein (CD40LG) (Trimer) (Fc Tag)**[Go to Product page](#)**6** Images

## Overview

Quantity:	100 µg
Target:	CD40 Ligand (CD40LG)
Protein Characteristics:	Trimer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD40 Ligand protein is labelled with Fc Tag.

## Product Details

Purpose:	Human CD40 Ligand/TNFSF5 Trimer Protein
Sequence:	Met113-Leu261
Characteristics:	Recombinant Human CD40 Ligand/TNFSF5 Trimer Protein is expressed from HEK293 with monomeric hFc tag at the N-Terminus. It contains Met113-Leu261.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD40, His Tag at 1 µg/ml (100 µl/Well) on the plate. Dose response curve for Human CD40 Ligand (Trimer), hFc Tag with the EC50 of 0.13 µg/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	CD40 Ligand (CD40LG)
Alternative Name:	CD40 Ligand ( <a href="#">CD40LG Products</a> )
Background:	CD40 ligand or CD40L, also called CD154, is a protein that is primarily expressed on activated T cells and is a member of the TNF superfamily of molecules. It binds to CD40 (protein) on antigen-presenting cells (APC), which leads to many effects depending on the target cell type. In total CD40L has three binding partners: CD40, $\alpha 5\beta 1$ integrin and $\alpha 11\beta 3$ . CD154 acts as a costimulatory molecule and is particularly important on a subset of T cells called T follicular helper cells. .
Molecular Weight:	74.9 kDa. Due to glycosylation, the protein migrates to 75-80 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P29965</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

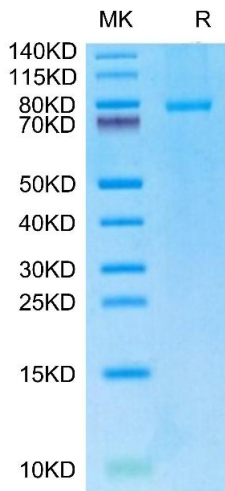
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Restrictions: For Research Use only

## Handling

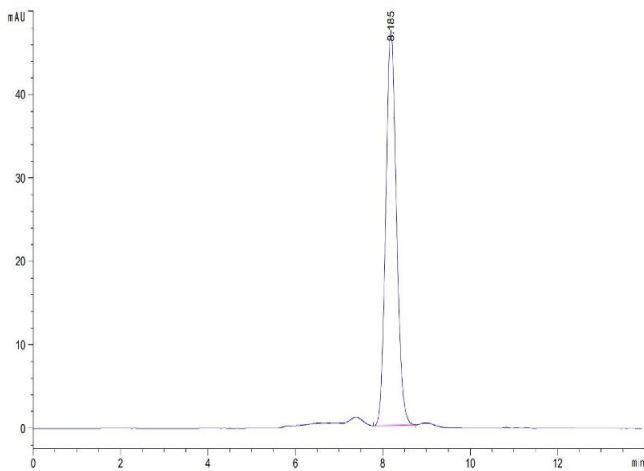
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{mL}$ is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



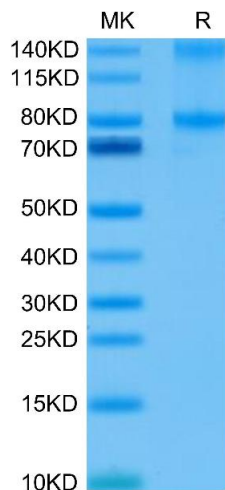
**SDS-PAGE**

**Image 1.** Human CD40 Ligand (Trimer) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Human CD40 Ligand (Trimer) is greater than 95 % as determined by SEC-HPLC.



**SDS-PAGE**

**Image 3.** Human CD40 Ligand (Trimer) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7274321.