## For Research Use Only Recombinant Human CD40L/CD154 protein (His Tag)



## Catalog Number: Eg0054

Basic Information	<mark>Species:</mark> Human	Purity: >95 %, SDS-PAGE	<b>Tag:</b> His Tag
	EC50: 17-68 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	<b>Endotoxin Level:</b> <0.1 EU/ μ g protein, LAL method		
	Source: HEK293-derived Human CD40L protein Met113-Leu261 (Accession# P29965) with a His tag at the N-terminus.		
	GenelD: 959		
	Accession: P29965		
	Predicted Molecular Mass: 17 kDa		
	SDS-PAGE: 17-19 kDa, reducing (R) conditions		
	<b>Formulation:</b> Lyophilized from 0.22 µm filtered s protectants before lyophilization.	olution in PBS, pH 7.4. Normally 5% 1	trehalose and 5% mannitol are added as
<b>Biological Activity</b>	Immobilized Human CD40L (His tag) linear range of 17-68 ng/mL.	at 2 µg/mL (100 µL/well) can bind I	Human CD40 (Myc tag, His tag) with a
Storage and Shipping	Storage: It is recommended that the protein	be aliquoted for optimal storage. Av	oid repeated freeze-thaw cycles.
	<ul> <li>Until expiry date, -20°C to -</li> <li>3 months, -20°C to -80°C ur</li> </ul>	80℃ as lyophilized proteins. Ider sterile conditions after reconst	itution.
	Shipping: The product is shipped at ambient to temperature.	emperature. Upon receipt, store it in	nmediately at the recommended
Reconstitution	Briefly centrifuge the tube before o	pening. Reconstitute at 0.1-0.5 mg/i	mL in sterile water.
Background	is primarily expressed on activated binds to CD40 on antigen-presentin type. It has been suggested that CD signaling pathways in both the imm	CD4+ T cells and on a small proportio Ig cells (APC), which leads to many ef 40/CD40L interactions regulate oxid unological and the cardiovascular sy xorression is tightly regulated, and a	fects depending on the target cell ative stress and affect various stems. The CD40/CD40L system is bnormal levels of CD40L are
References	1. Elgueta R. et al. (2009). Immunol R 2. Rizvi M. et al. (2008). Trends Mol M 3. Michel N A. et al. (2017). Front Carc	ed. 14(12):530-538.	
Synonyms	CD154, CD40L/CD154, CD40L; CD154	4, CD40LG, CD 154	

## Selected Validation Data





Immobilized Human CD40L (His tag) at 2  $\,\mu$  g/mL (100  $\,\mu$  L/well) can bind Human CD40 (Myc tag, His tag) with a linear range of 17-68 ng/mL

Purity of Recombinant Human CD40L was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.