

## Active Recombinant Human CD40LG Protein (116-261), N-FLAG tagged

Cat. No. CD40LG-10H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CD40L (aa 116-261) fused at the N-terminus to mouse ACRP30headless (aa 18-111) and a FLAG <sup>®</sup> -tag was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	116-261
<b>Description</b>	The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Induces B cells activation (as demonstrated by dose-dependent upregulation of CD86) (ED50: < 1 ng/mL). B cell expansion online protocol available.
<b>Molecular Mass</b>	~35-40 kDa (SDS-PAGE)
<b>Endotoxin</b>	< 0.01 EU/μg purified protein (LAL test, Lonza).
<b>Purity</b>	≥95 % (SDS-PAGE)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	Stable for at least 6 months after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
<b>Storage</b>	Short Term Storage: +4 centigrade Long Term Storage: -20 centigrade
<b>Concentration</b>	0.1 mg/mL after reconstitution.
<b>Storage Buffer</b>	Contains PBS
<b>Reconstitution</b>	Reconstitute with 100 µL sterile water.
<b>Handling</b>	After reconstitution, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution. PBS containing at least 0.1 % BSA should be used for further dilutions.
<b>Shipping</b>	BLUE ICE

## GENE INFORMATION

<b>Gene Name</b>	CD40LG CD40 ligand [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD40LG
<b>Synonyms</b>	CD40LG; CD40 ligand; IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L; CD40 ligand; CD40 antigen ligand; CD40-L; T-B cell-activating molecule; T-cell antigen Gp39; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5
<b>Gene ID</b>	959

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

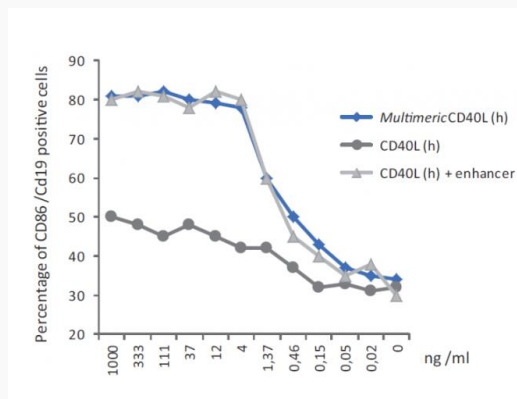
 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq [NM\\_000074](#)

Protein Refseq [NP\\_000065](#)

MIM [300386](#)

UniProt ID [P29965](#)



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA