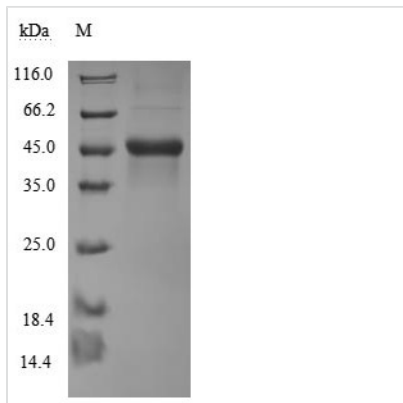


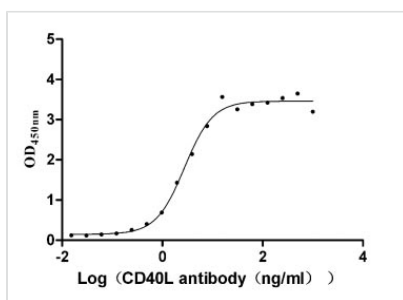


# Recombinant Human CD40 ligand (CD40LG), partial (Active)

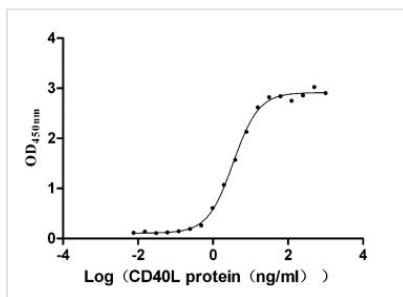
<b>Product Code</b>	CSB-MP004937HU3
<b>Abbreviation</b>	Recombinant Human CD40LG protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form 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>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	①Measured by its binding ability in a functional ELISA. Immobilized CD40L at 2 μg/ml can bind Anti- CD40L Rabbit Monoclonal Antibody(CSB-RA156386A0HU), the EC <sub>50</sub> is 2.353-3.232 ng/ml.②Measured by its binding ability in a functional ELISA. Immobilized CD40(CSB-MP004936HU1) at 2 μg/ml can bind CD40L, the EC <sub>50</sub> is 3.112-3.858 ng/ml. ③Human CD40 protein hFc tag (CSB-MP004936HU1) captured on COOH chip can bind Human CD40L protein hFc and Flag tag (CSB-MP004937HU3) with an affinity constant of 2.06 nM as detected by LSPR Assay.
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MQKGDQNPQIAAHVISEASSKTTSVLQWAEKGYTMSNNLVTLENGKQLTVK RQGLYYIYAQVTFCNSNREASSQAPFIASLCLKSPGRFERILLRAANTHSSAKPC GQQSIHLGGVFELQPGASVFNVDPSQVSHGTGFTSFGLLKL
<b>Research Area</b>	Cancer
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CD40LG
<b>Expression Region</b>	113-261aa
<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 hFc-Flag-tagged
<b>Mol. Weight</b>	44.5 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



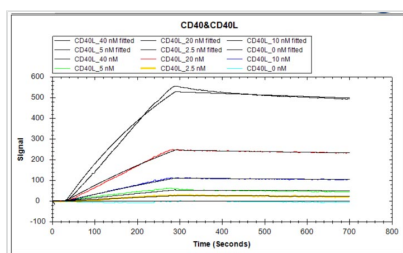
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized CD40L at 2 µg/ml can bind Anti- CD40L Rabbit Monoclonal Antibody(CSB-RA156386A0HU), the EC<sub>50</sub> is 2.353-3.232 ng/ml.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized CD40(CSB-MP004936HU1) at 2 µg/ml can bind CD40L, the EC<sub>50</sub> is 3.112-3.858 ng/ml.



**Activity**  
Human CD40 protein hFc tag (CSB-MP004936HU1) captured on COOH chip can bind Human CD40L protein hFc and Flag tag (CSB-MP004937HU3) with an affinity constant of 2.06 nM as detected by LSPR Assay.

### Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

### 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.