

## 37-1101: Human CD40L / CD154 / TNFSF5 Recombinant Protein (His Tag)(Discontinued)

**Reactivity :** Human

**Alternative Name :** CD154 Protein, CD40 Ligand Protein, CD40L Protein, gp39 Protein, hCD40L Protein, HIGM1 Protein, IGM Protein, IMD3 Protein, T-BAM Protein, TNFSF5 Protein, TRAP Protein,

### Description

#### Source : E. coli

The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 32 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD154, also known as CD4 ligand or CD4L, is a member of the TNF superfamily. While CD154 was originally found on T cell surface, its expression has since been found on a wide variety of cells, including platelets, mast cells, macrophages and NK cells. CD154's ability is achieved through binding to the CD4 on antigen- presenting cells (APC). In the macrophage cells, the primary signal for activation is IFN-gamma from Th1 type CD4 T cells. The secondary signal is CD4L on the T cell, which interacting with the CD4 molecules, helping increase the level of activation. Cancer Immunotherapy Co-stimulatory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: WB Antibodies Immune Checkpoint Proteins Immune Checkpoint Targets Immunotherapy Targeted Therapy

### Product Info

**Amount :** Human CD40L / CD154 / TNFSF5 Recombinant Protein (His Tag)(Discontinued) / 100 µg

**Purification :** > 95 % as determined by SDS-PAGE

**Content :** Formulation Lyophilized from sterile PBS, pH 7.4, 10% glycerol  
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Amino Acid :** Glu108-Leu261

### Application Note

Measured by its binding ability in a functional ELISA . 1. Immobilized human CD40 at 2 Åµg/ml (100 ÅµL/well) can bind biotinylated human CD40L with a linear range of 15.6-500 ng/ml . 2. Immobilized human CD40 / Fc at 2 Åµg/ml (100 ÅµL/well) can bind biotinylated human CD40L with a linear range of 7.8-125 ng/ml.  
Other pack size also available.

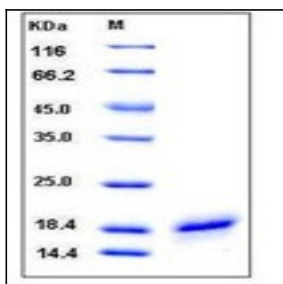


Fig 1: Human CD40L / CD154 / TNFSF5 Recombinant Protein (His Tag)