

## 32-17958: Recombinant Mouse CD40 Ligand Protein, hFc Tag

**Uniprot ID :** P27548  
**Alternative Name :** CD40-L, TRAP, CD154, Cd40lg

### Description

Molecular Characterization: hFc(Glu99-Ala330) Mouse CD40 Ligand(Gly115-Leu260)  
Molecular weight: The protein has a predicted molecular mass of 42.1 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CD40L is approximately 40-55 kDa due to glycosylation.  
Description: Recombinant mouse CD40L protein with N-terminal human Fc tag  
Cytokine that binds to CD40/TNFRSF5. Costimulates T-cell proliferation and cytokine production. Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation. Induces the activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (By similarity). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4. Involved in immunoglobulin class switching (PubMed: 1374165).[UniProtKB/Swiss-Prot Function]

### Product Info

**Amount :** 100 µg / 50 µg  
**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.  
**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.