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**Product Data Sheet**


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Product Name: sCD40L Mouse, sf9

Cat. No.: GP20875

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD40 ligand; T-cell antigen Gp39; TNF-related activation protein; TRAP; Tumor necrosis factor ligand superfamily member 5; CD154; CD40lg; CD154; CD40-L; Cd40l; gp39; HIGM1; IGM; IMD3; Ly-62; Ly62; T-BAM; Tnfsf5.		
Amino Acid Sequence	MQRGDEDPQI AAHVVSEANS NAASVLQWAK KGYITMKSNL VMLENGKQLTVKREGLYYVY TQVTFCNRE PSSQRPFIVG LWLKPSSGSE RILLKAANTH SSSQLCEQQS VHLGGVFELQAGASVFNVT EASQVIHRVG FSSFGLLKLH HHHHH.		
Formulation	sCD40 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

CD40L or CD154 is a membrane glycoprotein and differentiation antigen expressed on the surface of T-cells. The CD40 ligand stimulates B-cell proliferation and secretion of all immunoglobulin isotypes in the presence of cytokines. CD40 ligand has been shown to induce cytokine production and tumoricidal activity in peripheral blood monocytes. It also costimulates proliferation of activated T-cells and this is accompanied by the production of IFN-gamma, TNF-alpha, and IL2.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

sCD40 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated

**Caution: Product has not been fully validated for medical applications. For research use only.**

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polypeptide chain containing 155 amino acids (112-260 a.a.) and having a molecular mass of 17.2kDa (Migrates at 18-28kDa on SDS-PAGE under reducing conditions).sCD40 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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