
Product Data Sheet

Product Name: sCD40L Human, His
 Cat. No.: GP20873
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD40-L; Tumor necrosis factor ligand superfamily member 5; TNF-related activation protein; TRAP; T cell antigen Gp39; CD154 antigen; sCD40; IGM; IMD3; HIGM1; T-BAM; TNFSF5; hCD40L; CD40LG.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MQKGDQNPQI AAHVISEASS KTTSVLQWAE KGYITMSNNL VTLENGKQLT VKRQGLYYIY AQVTFCSNRE ASSQAPFIAS LCLKSPGRFE RILLRAANTH SSAKPCGQQS IHLGGVFELQ PGASVFNVT DPSQVSHGTG FTSFGLLKL.		
Formulation	The CD40LG solution (0.5mg/ml) 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 40% glycerol and 0.2M NaCl.		

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

CD40LG Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 169 amino

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

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acids (113-261 a.a.) and having a molecular mass of 18.3kDa. The CD40LG is purified by proprietary chromatographic techniques.

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