
Product Data Sheet

Product Name: sCD40L Human, His Active

Cat. No.: GP26070

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	CD40 ligand, CD154, CD40L, gp39, hCD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MQKGDQNPQI AAHVISEASS KTTSVLQWAE KGYTMSNNL VTLENGKQLT VKRQGLYYIY AQVTFCNRE ASSQAPFIAS LCLKSPGRFE RILLRAANTH SSAKPCGQQS IHLGGVFELQ PGASVFNVT DPSQVSHGTG FTSFGLLKL		
Formulation	sCD40L protein (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 40% 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.

Biological Activity

Measured by its binding ability in a functional ELISA with Human CD40/TNFRSF5.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC 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

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

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sCD40L Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 169 amino acids (113-261a.a.) and having a molecular mass of 18.3kDa.sCD40L is fused to a 20 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.

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