
Product Data Sheet

Product Name: TNFSF7 Human
 Cat. No.: GP20994
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD70 Molecule; TNFSF7; CD27L; Tumor Necrosis Factor(Ligand) Superfamily; Member 7; Tumor Necrosis Factor Ligand Superfamily Member7; CD70 Antigen; CD27 Ligand; CD27LG; CD27-L; Surface Antigen CD70; Ki-24Antigen; CD70 antigen.		
Amino Acid Sequence	MGSSHHHHHSSGLVPRGSH MGSQRFAQAQQQLPLESLGW DVAELQLNHT GPQQDPRLYW QGGPALGRSF LHGPELDKGQ LRIHRDGIYM VHIQVTLAICSSTTASRHP TTLAVGICSP ASRSISLLRL SFHQGCTIAS QRLTPLARGD TLCTNLGTGL LPSRNTDETFFGVQWVRP.		
Formulation	TNFSF7 protein solution (1mg/ml) containing 20mM Tris-HClbuffer (pH 8.0) and 10% glycerol.		

Introduction

CD70 also known as TNFSF7 is a cytokine which binds to CD27. TNFSF7 takes part in T-cell activation as well as induces the proliferation of costimulated T-cells. Moreover, TNFSF7 enhances the generation of cytolytic T-cells. Among the diseases which are associated with TNFSF7: Include acute myocarditis & Myocarditis.

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

TNFSF7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 178 amino acids (39-193 a.a) and having a molecular mass of 19.5kDa. TNFSF7 is fused to a 23 amino acid His-tag at N-terminus & purified by

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proprietary chromatographic techniques.

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