
Product Data Sheet

Product Name: TNFSF8 Human
 Cat. No.: GP20996
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tumor necrosis factor ligand superfamily member 8; CD30 ligand; CD30-L; CD153; TNFSF8; CD30L; CD30LG; CD30 Antigen Ligand; CD153 Antigen.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSQRTDSIP NSPDNVPLKG GNCSEDLLCI LKRAPFKKSW AYLQVAKHLN KTKLSWNKDG ILHGVRYQDG NLVIQFPGLY FIICQLQFLV QCPNNSVDLK LELLINKHIK KQALVTVCES GMQTKHVYQN LSQFLLDYLQ VNTTISVNVD TFQYIDTSTF PLENVLSIFL YSNSD.		
Formulation	TNFSF8 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

CD30 Ligand (TNFSF8) is a cytokine which is a member of the tumor necrosis factor (TNF) ligand family. The TNFSF8 cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The employment of the TNFSF8 cytokine expressed on B cell surface has an inhibitory role in modulating Ig class switch. TNFSF8 enhances cell proliferation of some lymphoma cell lines, while inducing cell death and reducing cell proliferation of other lymphoma cell lines. The pleiotropic biological activities of the TNFSF8 cytokine on different CD30+ lymphoma cell lines has a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas.

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). Please avoid freeze thaw cycles.

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

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Background

TNFSF8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 195 amino acids (63-234 a.a.) and having a molecular mass of 22kDa. TNFSF8 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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