
Product Data Sheet

Product Name: CD27 Human
 Cat. No.: GP23035
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tumor Necrosis Factor Receptor Superfamily Member 7; T-Cell Activation Antigen CD27; CD27 Molecule; CD27 Antigen; T Cell Activation Antigen S152; CD27L Receptor; TNFRSF7; S152; Tp55; T14.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHTMPAPK SCPERHYWAQ GKLCCQMCEP GTFLVKDCDQ HRKAAQCDPC IPGVSFSPDH HTRPHCESCR HCNSGLLVRN CTITANAECA CRNGWQCRDK ECTECDPLPN PSLTARSSQA LSPHPQPTHL PYVSEMLEAR TAGHMQLTAD FRQLPARTLS THWPPQRS LC SDFIR.		
Formulation	The CD27 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

CD27 belongs to the TNF-receptor superfamily. CD27 is necessary for initiation and long-term maintenance of T cell immunity. CD27 binds to ligand CD70, and has a crucial role in regulating B-cell activation and immunoglobulin synthesis. The CD27 receptor transduces signals which result in the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 mediate the signaling process of CD27. CD27-binding protein (SIVA), which is a proapoptotic protein, can bind to the CD27 receptor and is believed to have a significant role in the apoptosis induced by CD27.

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

CD27 Human Recombinant produced in E. coli is a single polypeptide chain containing

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196 amino acids (21-191) and having a molecular mass of 21.8 kDa. CD27 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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