
Product Data Sheet

Product Name: CD27 Human, sf9

Cat. No.: GP23036

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
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	ADPTPAPKSC PERHYWAQGK LCCQMCEPGT FLVKDCDQHR KAAQCDPCIP GVSFSPDHHT RPHCESCRHC NSGLLVRNCT ITANAECACR NGWQCRDKEC TECDPLPNPS LTARSSQALS PHPQPTHLPY VSEMLEARTEA GHMQTLADFR QLPARTLSTH WPPQRSCLSS DFIRLEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGKHHH HHH.		
Formulation	CD27 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH7.4) 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

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

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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 Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 413 amino acids (21-191a.a.) and having a molecular mass of 46.4kDa (Molecular size on SDS-PAGE will appear at approximately 28-57kDa). CD27 is fused with a 239 amino acids hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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