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## Recombinant human TNFRSF7/CD27 protein

Catalog Number: ATGP1710

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

21-191aa

#### UniProt No.

P26842

#### **NCBI Accession No.**

NP 001233

#### **Alternative Names**

CD27L receptor, T-cell activation antigen CD27, T14, Tumor necrosis factor receptor superfamily member 7, TNFRSF7, T cell antivation antigen S152, TP55

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

21.8 kDa (196aa)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE, Denatured

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

TNFRSF7, also known as CD27, is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor



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and is thought to play an important role in the apoptosis induced by this receptor. Recombinant human CD27 protein, fused to His-tag at N-terminus, was expressed in E. coli.

## **Amino acid Sequence**

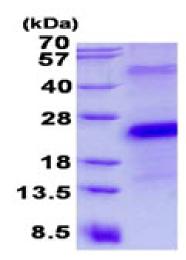
MGSSHHHHHH SSGLVPRGSH MGSHMTPAPK SCPERHYWAQ GKLCCQMCEP GTFLVKDCDQ HRKAAQCDPC IPGVSFSPDH HTRPHCESCR HCNSGLLVRN CTITANAECA CRNGWQCRDK ECTECDPLPN PSLTARSSQA LSPHPQPTHL PYVSEMLEAR TAGHMQTLAD FRQLPARTLS THWPPQRSLC SSDFIR

## **General References**

Gravestein L.A., et al. (1998) Eur. J. Immunol. 28:2208-2216 Prasad K.V.S., et al. (1997) Proc. Natl. Acad. Sci. u.S.A. 94:6346-6351

## **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)