

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 activation 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 SGLVPRGSH MGSMTAPAK SCPERHYWAQ GKLCQMCEP GTFLVKDCDQ HRKAAQCDPC
IPGVSFSPDH HTRPHCESCR HCNSGLLVNRN CTITANAECA CRNGWQCRDK ECTECDPLPN PSLTARSSQA LSPHPQPTHL
PYVSEMLEAR TAGHMQLTAD FRQLPARTLS THWPPQRS LCSSDFIR

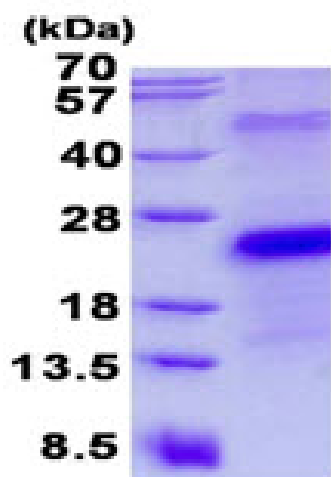
General References

Gravestien 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)