

Recombinant human TNFRSF7/CD27 protein

Catalog Number: ATGP3416

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

21-191aa

UniProt No.

P26842

NCBI Accession No.

NP_001233.1

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

46.4 kDa (413aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Biological Activity

Measured by its binding ability in a functional ELISA with Human CD27 Ligand/TNFSF7 (CAT# ATGP3336). The ED50 range $\leq$ 0.5 ug/ml.

Tag

hIgG-His-Tag

Application

SDS-PAGE, Bioactivity

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.

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BACKGROUND

Description

CD27, as known as CD27 antigen, is a member of the TNF-receptor superfamily limited to cells of the lymphoid lineage, and exists as both a dimeric glycosylation on the cell surface and as a soluble protein in serum. As a T and B cell co-stimulatory molecule, the activity of CD27 is governed by its TNF-like ligand CD 70 on lymphocytes and dendritic cells. This protein plays a key role in regulating B-cell differentiation, activation and immunoglobulin synthesis. Recombinant human CD27, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

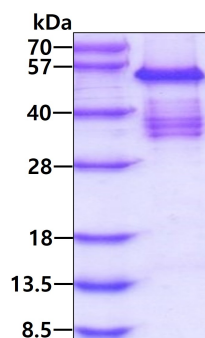
<ADP>TPAPKSC PERHYWAQGK LCCQMCEPGT FLVKDCDQHR KAAQCDPCIP GVSFSPDHHT RPHCESCRHC NSGLLVNCT ITANAECACR NGWQCRDKEC TECDPLNPNS LTARSSQALS PHPQPTHLPY VSEMLEAR TA GHMQLADFR QLPARTLSTH WPPQRS LCSS DFIR<LEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSV MHE ALHNHYTQKS LSLSPGKHHH HHH>

General References

Clemente A., et al. (2013) Clin. Exp. Immunol. 174:97-108.
Huang J., et al. (2013) J. Immunol. 190:6250-6258.

DATA

SDS-PAGE



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

Biological Activity

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Human CD27 Ligand/TNFSF7 (CAT# ATGP3336) is coated at 10 ug/ml (100 ul/well) can bind Human CD27/TNFRSF7. The ED50 range ≤ 0.5 ug/ml.

