

# Recombinant human CD30/TNFRSF8 protein

Catalog Number: ATGP3389

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

19-379aa

### UniProt No.

P28908

### NCBI Accession No.

NP\_001234

### Alternative Names

Tumor necrosis factor receptor superfamily member 8, CD30L receptor, Ki-1 antigen, Lymphocyte activation antigen CD30, D1S166E

## PRODUCT SPECIFICATION

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### Molecular Weight

66.7 kDa (613aa)

### 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 CD30 Ligand/TNFSF8 (CAT# ATGP3343). The ED50 range  $\leq$  100 ng/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

TNFRSF8, also known as tumor necrosis factor receptor superfamily member 8, is a cell membrane protein of the tumor necrosis factor receptor superfamily and is expressed by activated T and B cells but not resting. It contributes to thymic negative selection by inducing the apoptotic cell death of CD4+CD8+ T cells. It can regulate proliferation of lymphocytes and may also play an important role in human immunodeficiency virus replication. Recombinant human TNFRSF8, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### Amino acid Sequence

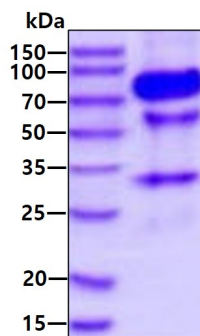
<ADP>FPQDRPF EDTCHGNPSH YYDKAVRRC YRCPMGLFPT QQCPQRPTDC RKQCEPDYLL DEADRCTACV TCSRDDLVEK TPCAWNSSRV CECRPGMFCS TSAVNSCARC FFHSVCPAGM IVKFPGTAQK NTVCEPASPG VSPACASPEN CKEPSSGTIP QAKPTPVSPA TSSASTMPVR GGTRLAQEAA SKLTRAPDSP SSVGRPSSDP GLSPTQPCPE GSGDCRKQCE PDYYLDEAGR CTACVSCSRD DLVEKTPCAW NSSRTCECRP GMICATSATN SCARCVPIPI CAAETVTKPQ DMAEKDTTFE APPLGTQDC NPTPENGEAP ASTSPTQSL VDSQASKTLP IPTSAPVALS STGK<AAAFES RACSLEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDS DGSFFLYSKL TVDKSRWQQG NVFSCSVME ALHNHYTQKS LSLSPGKHHH HHH>

### General References

Kennedy MK., et al. (2006) Immunology 118:143-152.  
Shanebeck SD., et al. (1995) Eur J Immunol. 25:2147-2153.

## DATA

### SDS-PAGE



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

### Biological Activity

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Human CD30 Ligand/TNFSF8 (CAT# ATGP3343) is coated at 2 ug/ml (100 ul/well) can bind Human CD30/TNFRSF8. The ED50 range  $\leq$  100 ng/ml.

