

# Recombinant human DR3/TNFRSF25 protein

Catalog Number: ATGP4017

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

25-199aa

### UniProt No.

Q93038

### NCBI Accession No.

NP\_003781.1

### Alternative Names

Tumor necrosis factor receptor superfamily member 25, Apo-3, Apoptosis-inducing receptor AIR, Apoptosis-mediated receptor DR3, Apoptosis-mediated receptor TRAMP, Death receptor 3, Lymphocyte-associated receptor of death, LARD, Protein WSL, Protein WSL-1, APO3, DDR3, DR3, TNFRSF12, WSL, WSL1, TR3

## PRODUCT SPECIFICATION

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### Molecular Weight

46.1kDa (417aa)

### Concentration

0.25mg/ml (determined by absorbance at 280nm)

### Formulation

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

### Purity

> 95% 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 TL1A/TNFSF15 (CAT# ATGP1049). The ED50 range  $\leq$  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

TNFRSF25, also known as Tumor necrosis factor receptor superfamily member 25, is a member of the TNF receptor superfamily that binds to the TNF-like protein TL1A. TNFRSF25 signals are required to exert T helper cell 2 effector function in Th2-polarized CD4 cells and co-stimulate interleukin-13 production by glycosphingolipid-activated NKT cells. Its axis is a novel immune pathway that participates in the pathogenesis of a variety of autoimmune rheumatic diseases. These molecules may be promising therapeutic targets for inflammatory arthritis. Recombinant human TNFRSF25, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### Amino acid Sequence

```
<ADP>QGGTRSP RCDCAGDFHK KIGLFCCRGC PAGHYLKAPC TEPCGNSTCL VCPQDTFLAW ENHHNSECAR  
CQACDEQASQ VALENCSAVA DTRCGCKPGW FVECQVSQCV SSSPFYCQPC LDCGALHRHT RLLCSRRTD CGTCLPGFYE  
HGDGCVSCTP STLGSCPERC AAVCGWRQ<LE PKSCDKTHTC PPCAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV  
SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP  
QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGDSFFL YSKLTVDKSR WQQGNVFSCS  
VMHEALHNHY TQKSLSLSPG KHHHHHH>
```

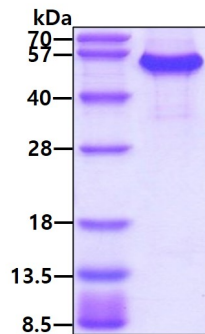
### General References

Slebioda TJ., et al. (2011) Eur J Immunol. 41:2606-2611.

Fang L., et al. (2008) J Exp Medl. 205:1037-1048.

## DATA

### SDS-PAGE



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

### Biological Activity

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Human TL1A/TNFSF15 (CAT# ATGP1049) is coated at 10 ug/ml (100 ul/well) can bind Human DR3/TNFRSF25. The ED50 range  $\leq 5$  ug/ml.

