

# Recombinant mouse 4-1BB/CD137/TNFRSF9 protein

Catalog Number: ATGP3199

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

24-187aa

### UniProt No.

P20334

### NCBI Accession No.

NP\_035742

### Alternative Names

Tumor necrosis factor receptor superfamily member 9, 4-1BB ligand receptor, CDw137, T-cell antigen 4-1BB homolog, T-cell antigen ILA, CD137, ly63

## PRODUCT SPECIFICATION

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### Molecular Weight

18.6 kDa (172aa)

### Concentration

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

### Formulation

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

### Purity

> 90% by SDS-PAGE

### Endotoxin level

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

### Tag

His-Tag

### Application

SDS-PAGE

### 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

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### Description

TNFRSF9, also known as tumor necrosis factor receptor superfamily member 9, interacts with TNFSF9 expressed on activated T cells and delivers a co-stimulatory signal for T cell activation and growth. It binds with high affinity to the transmembrane TNFSF9 (4-1BB ligand) which expressed on antigen presenting cells and myeloid

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progenitor cells. Recombinant mouse TNFRSF9, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### Amino acid Sequence

VQNSCDNCQP GTFCKYNPV CKSCPPSTFS SIGGQPNCNI CRVCAGYFRF KKFCSTHNA ECECIEGFHC LGPQCTRCEK  
DCRPGQELTK QGCKTCSLGT FNDQNGTGVC RPWTNCSLDG RSVLKTGTTE KDVVCGPPV SFSPSTTISV TPEGGPGGHS  
LQVLEHHHH HH

### General References

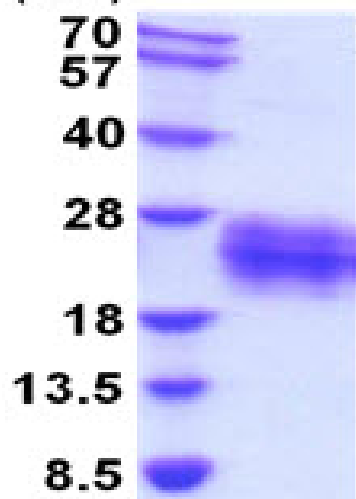
Chalupny NJ et al., (1992) Proc. Natl. Acad. Sci. U.S.A. 89 (21):10360-10364.

Martinez Gomez JM et al., (2013) PLoS ONE 8(9):E73277.

## DATA

### SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)