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

Catalog Number: ATGP3199

## **PRODUCT INFORMATION**

## **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**

## **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**

# **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.

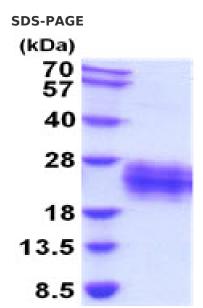
## **Amino acid Sequence**

VQNSCDNCQP GTFCRKYNPV CKSCPPSTFS SIGGQPNCNI CRVCAGYFRF KKFCSSTHNA ECECIEGFHC LGPQCTRCEK DCRPGQELTK QGCKTCSLGT FNDQNGTGVC RPWTNCSLDG RSVLKTGTTE KDVVCGPPVV SFSPSTTISV TPEGGPGGHS LOVLLEHHHH 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**



15% SDS-PAGE (3ug)

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