

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

Catalog Number: ATGP1522

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

18-186aa

### UniProt No.

Q07011

### NCBI Accession No.

NP\_001552

### 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

## PRODUCT SPECIFICATION

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### Molecular Weight

20 kDa (193aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### 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 CD137 or ILA, is a member of the TNF superfamily of receptors. This protein is mainly expressed on the surface of a variety of T cells, but also found in B cells, monocytes, and various transformed cell lines. TNFRSF9 is expressed on activated T cells and binds an inducible ligand that is found on B cells, macrophages and dendritic cells. Recombinant human TNFRSF9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMFERTRS LQDPCSNCPA GTFCDNNRNQ ICSPCPPNSF SSAGGQRTCD  
ICRQCKGVFR TRKECSSTSN AECDCTPGFH CLGAGCSMCE QDCKQGQELT KKGCKDCCFG TFNDQKRGIC RPWTNCSLDG  
KSVLVNGTKE RDVVCGPSPA DLSPGASSVT PPAPAREPGH SPQ

### General References

Langstein J., et al. (2000) Biochem Biophys Res. 273:117-122.

Kienzle G., et al. (2000) Int. Immunol. 12: 73-82.

## DATA

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### SDS-PAGE

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

