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

Catalog Number: ATGP1522

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

18-186aa

#### UniProt No.

007011

#### **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**

## **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**

### 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**

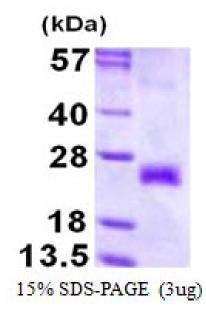
MGSSHHHHHH SSGLVPRGSH MGSMFERTRS LQDPCSNCPA GTFCDNNRNQ ICSPCPPNSF SSAGGQRTCD ICRQCKGVFR TRKECSSTSN AECDCTPGFH CLGAGCSMCE QDCKQGQELT KKGCKDCCFG TFNDQKRGIC RPWTNCSLDG KSVLVNGTKE RDVVCGPSPA DLSPGASSVT PPAPAREPGH SPQ

#### **General References**

Langstein J., et al. (2000) Biochem Biophys Res. 273:117-122. Kienzle G., et al. (2000) Int. Immunol. 12: 73-82.

## **DATA**

#### **SDS-PAGE**



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

