

Recombinant human 4-1BB/CD137/TNFRSF9 protein

Catalog Number: ATGP1522

PRODUCT INFORMATION

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

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.

