

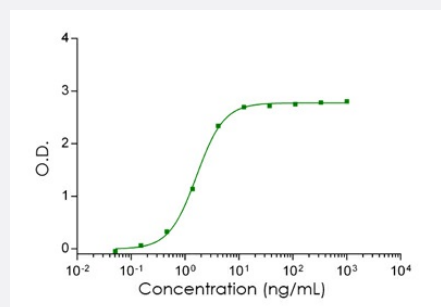
Bioactive

TNFRSF9 (Human) Recombinant Protein

Catalog # P7547

Size 1 mg

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human TNFRSF9 (Q07011, 24 a.a. - 186 a.a.) partial recombinant protein with hFc tag C-terminus expressed in CHO cell.

Sequence

LQDPCSNCPAGTFCDNNRNQICSPCPPNSFSSAGGQRTCDICRQCKGVFRTRKECSSTSNAEC
DCTPGFHCLGAGCSMCEQDCKQGQELTKKGCKDCCFGTFNDQKRGICRPWTNCSLDGKSVLV
NGTKERDVVCGPSPADLSPGASSVTPPAPAREPGHSPQ

Host

Mammals

Theoretical MW (kDa)

55-60

Form

Lyophilized

Preparation Method

Mammalian cell (CHO) expression system

Purity

> 95% by SDS-PAGE

Endotoxin Level

< 0.2 EU per 1 ug of protein (determined by gel clotting method)

Activity

When recombinant 4-1BB/CD137/TNFRSF9, hFc, Human is Immobilized at 1.0 ug/mL (100 uL/well), the concentration of recombinant human 4-1BB Ligand that produces 50% optimal binding response is found to be approximately 5.0 - 15.0 ng/mL.

Storage Buffer

Lyophilized from sterile distilled Water up to 100 ug/mL

Storage Instruction

Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

Result of bioactivity analysis
Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — TNFRSF9

Entrez GeneID[3604](#)**Protein Accession#**[Q07011](#)**Gene Name**

TNFRSF9

Gene Alias

4-1BB, CD137, CDw137, ILA, MGC2172

Gene Description

tumor necrosis factor receptor superfamily, member 9

Omim ID[602250](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB. [provided by RefSeq]

Other Designations

4-1BB ligand receptor|CD137 antigen|OTTHUMP00000001360|OTTHUMP00000044294|T cell antigen ILA|homolog of mouse 4-1BB|induced by lymphocyte activation (ILA)|interleukin-activated receptor, homolog of mouse Ly63|receptor protein 4-1BB

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)