

Active Recombinant Human TNFRSF9, Fc-tagged, Biotinylated

Cat. No. TNFRSF9-525H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human 4-1BB-Fc fusion is expressed as a 390 amino acid protein consisting of Leu24 - Gln186 region of 4-1BB (UniProt accession #Q07011) and a C-terminal Fc from human IgG1, which exists as a dimer/tetramer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	24-186 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligand human 4-1BBL and anti-4-1BB monoclonal antibodies with high affinity by ELISA. Blocks 4-1BBL/4-1BB--induced signaling activity.
Molecular Mass	Calculated molecular mass (kDa): 42.8; Estimated by SDS-PAGE under reducing condition (kDa): 55-60
AA Sequence	LQDPCSNCPAGTFCDNNRNQICSPCPPNSFSSAGGQRTCDICRQCKGVFRTRKEC SSTSNAECDCTPGFHCGLGA GCSMCEQDCKQGQELTKKGCKDCCFGTFNDQKRG CRPWTNCSLDGKSVLVNGTKERDVVCGPSPADLSPGASS VTPPAPAREPGHSPQT GTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW YV DGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIE

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KTISKAKGQPREPQVYTLPP SREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPEN
 NYKTTTPVLDSGDGSFFLYSKLTVDKSRWQQGNVFCSS VMHEALHNHYTQKSLSLS
 PGK

Endotoxin <0.1 eu per 1 µg of purified recombinant protein determined by the

Purity >90% judged by SDS-PAGE under reducing condition

Storage The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name TNFRSF9 tumor necrosis factor receptor superfamily, member 9 [Homo sapiens]

Official Symbol TNFRSF9

Synonyms TNFRSF9; tumor necrosis factor receptor superfamily, member 9; ILA; tumor necrosis factor receptor superfamily member 9; 4 1BB; CD137; CD137 antigen; T cell antigen ILA; T-cell antigen ILA; 4-1BB ligand receptor; homolog of mouse 4-1BB; receptor protein 4-1BB; T-cell antigen 4-1BB homolog; induced by lymphocyte activation (ILA); interleukin-activated receptor, homolog of mouse Ly63; 4-1BB; CDw137; MGC2172; FLJ43501;

Gene ID 3604

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mRNA Refseq	NM_001561
Protein Refseq	NP_001552
MIM	602250
UniProt ID	Q07011
Chromosome Location	1p36
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem;
Function	binding; receptor activity;

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