Recombinant Human TNFRSF9, Fc-tagged

Cat. No. TNFRSF9-27833TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 1-186 of Human CD137 fused to the Fc portion fused to the C-terminus of Human IgG1; MWt 50 kDa .
Species	Human
Source	HEK293
ProteinLength	186 amino acids
Description	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.
Conjugation	Fc
Molecular Weight	50.000kDa inclusive of tags
Tissue specificity	Expressed on the surface of activated T-cells.
Form	Lyophilised:Reconstitute with 50µl sterile water to give a final concentration of 1mg/ml. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw

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	cycles. PBS containing at least 0.1% BSA should be used for further dilutions.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: PBS
Storage	Shipped at 4°C. Store at -20oC.
Sequence Similarities	Contains 4 TNFR-Cys repeats.

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;
Gene ID	3604
mRNA Refseq	NM_001561
Protein Refseq	NP_001552
MIM	602250
Uniprot ID	Q07011
Chromosome Location	1p36

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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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