

Recombinant Human TNFRSF9 Protein, hlgG-His-tagged

Cat. No. TNFRSF9-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFRSF9, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	TNFRSF9, also known as tumor necrosis factor receptor superfamily member 9, 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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	45.3kDa (411aa)40-57KDa (SDS-PAGE under reducing conditions)
AA Sequence	ADLFERTRSL QDPCSNCPAG TFCDNNRNQI CSPCPPNSFS SAGGQRTCDI CRQCKGVFRT RKECSSTSNA ECDCTPGFHC LGAGCSMCEQ DCKQGQELTK KGCKDCCFGT FNDQKRGICR PWTNCSLDGK SVLVNGTKER DVVCGPSPAD LSPGASSVTP PAPAREPGHS PQLEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR

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EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ
PREPQVYTLPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK
TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMEAL HNHYTQKSLS
LSPGKHHHHH H

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >90% by SDS – PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

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

mRNA Refseq NM_001561

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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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