Active Recombinant Human TNFRSF9 Protein, His-Tagged

Cat. No. TNFRSF9-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF9 Protein, His-Tagged was expressed in Mouse myeloma cell line
Species	Human
Source	NS0
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.
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. When recombinant human 4-1BB Fc Chimera is Immobilized at 10 ng/mL (100 µ/well), the concentration of recombinant human 4-1BB Ligand that produces 50% optimal binding response is found to be approximately 0.5-2.5 ng/mL.
Molecular Mass	44.8 kDa (monomer)
N-terminal Sequence	Leu24

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Analysis	
Endotoxin	<0.01 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	TNFRSF9 TNF receptor superfamily member 9 [Homo sapiens (human)]
Official Symbol	TNFRSF9
Synonyms	4-1BB ligand receptor; 41BB; 4-1BB; CD137 antigen; CD137; CD137MGC2172; CDw137; FLJ43501; ILA; ILAhomolog of mouse 4-1BB; induced by lymphocyte activation (ILA); interleukin-activated receptor, homolog of mouse Ly63; receptor protein 4-1BB; T cell antigen ILA; T-cell antigen 4-1BB homolog; T-cell antigen ILA; TNFRSF9; tumor necrosis factor receptor superfamily member 9; tumor necrosis factor receptor superfamily, member 9

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Gene ID	3604
mRNA Refseq	NM_001561.6
Protein Refseq	NP_001552.2
MIM	602250
UniProt ID	Q07011

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