

Recombinant Full Length Human TNFSF9 Protein, C-Flag-tagged

Cat. No. TNFSF9-1822HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TNFSF9 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interaction.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	26.4 kDa
AA Sequence	MEYASDASLDPEAPWPPAPRARACRVLPWALVAGLLLLLLLLAAACAVFLACPWAVS

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GARASPGSAASPRL REGPELSPDDPAGLLDLRQGMFAQLVAQNVLIDGPLSWYS
 DPGLAGVSLTGGLSYKEDTKELVAKAGV YYVFFQLELRRVVAGEGSGSVSLALHL
 QPLRSAAGAAALALTVDLPPASSEARNSAFGFQGRLLHLSAGQ RLGVHLHTEARAR
 HAWQLTQGATVLGLFRVTPEIPAGLPSRSE TRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Cytokine-cytokine receptor interaction
Full Length	Full L.

GENE INFORMATION

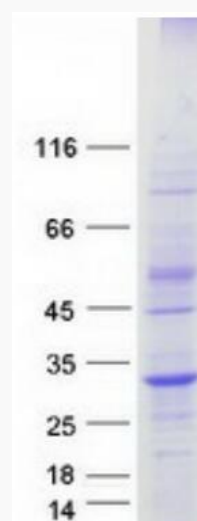
Gene Name	TNFSF9 TNF superfamily member 9 [Homo sapiens (human)]
Official Symbol	TNFSF9
Synonyms	CD137L; TNLG5A; 4-1BB-L

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Gene ID	8744
mRNA Refseq	NM_003811.4
Protein Refseq	NP_003802.1
MIM	606182
UniProt ID	P41273



Coomassie blue staining of purified TNFSF9 protein.