

Recombinant Human TNFSF9 Protein, His-tagged

Cat. No. TNFSF9-876H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF9 fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	<p>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.</p>
Form	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Molecular Mass	20.6kD
AA Sequence	MREGPELSPDDPAGLLDLRQGMFAQLVAQNVLLIDGPLSWYSDPGLAGVSLTGGLS YKEDTKELVAKAGVYYVFFQLELRRVWAGEGSGSVSLALHLQPLRSAAGAAALALT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VDLPPASSEARNNSAFGFQGRLLHLSAGQRLGVHLHTEARARHAWQLTQGATVLGLF
RVTPEIPAGLPSRSELEHHHHHH*

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name TNFSF9 tumor necrosis factor (ligand) superfamily, member 9 [Homo sapiens]

Official Symbol TNFSF9

Synonyms TNFSF9; tumor necrosis factor (ligand) superfamily, member 9; tumor necrosis factor ligand superfamily member 9; 4 1BB L; homolog of mouse 4 1BB L; receptor 4 1BB ligand; 4-1BBL; 4-1BB ligand; receptor 4-1BB ligand; homolog of mouse 4-1BB-L; CD137L; 4-1BB-L;

Gene ID 8744

mRNA Refseq NM_003811

Protein Refseq NP_003802

MIM 606182

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UniProt ID

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