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Datasheet

TNFSF9 (Human) Recombinant Protein

Catalog Number: P3533

Regulation Status: For research use only (RUO)

Product Description: Human TNFSF9 (NP_003802, 71 a.a. - 254 a.a.) partial recombinant protein with His tag expressed in *Escherichia coli*.

Sequence:
MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRW GSHMREGPELSPDDPAGLLDLRQGMFAQLVAQNVLLI DGPLSWYSDPGLAGVSLTGGLSYKEDTKELVVAKAGV YYVFFQLELRRVVAGEGSGSVSLALHLQPLRSAAGAA ALALTVDLPPASSEARNSAFGFQGRLLHLSAGQRLGV HLHTEARARHAWQLTQGATVLGLFRVTPEIPAGLPSP RSE

Host: Escherichia coli

Theoretical MW (kDa): 23.8

Applications: SDS-PAGE
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Purification: Conventional Chromatography

Concentration: 1 mg/mL

Purity: > 95% by SDS-PAGE

Storage Buffer: In 20 mM Tris-HCl buffer, 100 mM NaCl, pH 8.0 (20% glycerol).

Storage Instruction: Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 8744

Gene Symbol: TNFSF9

Gene Alias: 4-1BB-L, CD137L

Gene Summary: 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]