

Product datasheet for **TP311160M**

TNFSF9 (NM_003811) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human tumor necrosis factor (ligand) superfamily, member 9 (TNFSF9), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC211160 protein sequence
Red=Cloning site **Green**=Tags(s)

MEYASDASLDPEAPWPPAPRARACRVLPWALVAGLLLLLLAAACAVFLACPWAVSGARASPGSAASPRL
REGPELSPDDPAGLLDLRQGMFAQLVAQNVLIDGPLSWYSDPGLAGVSLTGGLSYKEDTKELVAKAGV
YYVFFQLELRRVAGEGSGSVSLALHLQPLRSAAGAAALTVDLPPASSEARNSAFGFQGRLLHLSAGQ
RLGVHLHTEARARHAWQLTQGATVGLFRVTPEIPAGLPSRSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 26.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_003802](#)

Locus ID: 8744



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UniProt ID: [P41273](#), [A0A0U5J8I0](#)

RefSeq Size: 1680

Cytogenetics: 19p13.3

RefSeq ORF: 762

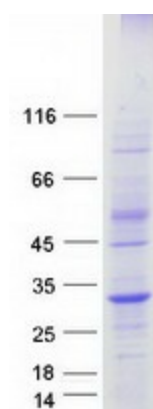
Synonyms: 4-1BB-L; CD137L; TNLG5A

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.[provided by RefSeq, Oct 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Product images:



Coomassie blue staining of purified TNFSF9 protein (Cat# [TP311160]). The protein was produced from HEK293T cells transfected with TNFSF9 cDNA clone (Cat# [RC211160]) using MegaTran 2.0 (Cat# [TT210002]).