

Product Information

MemDX™ Membrane Protein Human TNFSF9 (TNF superfamily member 9) Full Length

Cat. No.: **MPC3020K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human TNFSF9 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TNFSF9

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MEYASDASLDPEAPWPPAPRARA CRVLPWALVAGLLLLLAAACAVFLA
CPWAVSGARASPGSAASPRLREGPELSPDDPAGLLDLRQGMFAQLVQNV
LLIDGPLSWYSDPGLAGVSLTGGLSYKEDTKELVVAKAGVYYVFFQLELR
RVVAGEGSGSVSLALHLQPLRSAAGAAALALTVDLPPASSEARNSAFGFQ
GRLLHLSAGQRLGVHLHTEARARHAWQLTQGATVLGLFRVTPEIPAGLPS
PRSE

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

TNFSF9

Full Name

TNF superfamily member 9

Introduction

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.

Alternative Names

TNFSF9; CD137L; TNLG5A; 4-1BB-L; tumor necrosis factor ligand superfamily member 9; 4-1BB ligand; 4-1BBL; CD137 ligand; homolog of mouse 4-1BB-L; receptor 4-1BB ligand; tumor necrosis factor (ligand) superfamily, member 9; tumor necrosis factor ligand 5A; tumor necrosis factor superfamily member 9; TNF superfamily member 9

Gene ID

[8744](#)

UniProt ID

[P41273](#)