

## Active Recombinant Human TNFSF9 protein, Fc-tagged

**Cat. No.** TNFSF9-717H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TNFSF9 protein(NP_003802.1)(Arg71-Glu254), fused with Fc tag, was expressed in HEK293.                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Arg71-Glu254                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                      |
| <b>Bio-activity</b>     | 1. Immobilized human TNFRSF9 at 10µg/mL (100µL/well) can bind human TNFSF9 ,the EC50 of human TNFSF9 is 7-40ng/mL. 2. Measured by its ability to induce IL-8 secretion by HT1080 transfected with human CD137. The EC50 for this effect is typically 0.3-1.2 µg/mL. |
| <b>Molecular Mass</b>   | The recombinant human TNFSF9 consists 444 amino acids and predicts a molecular mass of 47.9 kDa.                                                                                                                                                                    |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                                            |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE.                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid                                                                                                                                                                                   |

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repeated freeze-thaw cycles.

#### Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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

**UniProt ID** P41273

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