

# Recombinant Full Length Mouse TNFRSF9 Protein, Fc-tagged

**Cat. No.** TNFRSF9-583M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse TNFRSF9 protein with Fc tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-256 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Enables cytokine binding activity; identical protein binding activity; and signaling receptor activity. Acts upstream of or within negative regulation of interleukin-10 production; negative regulation of interleukin-12 production; and regulation of cell population proliferation. Located in external side of plasma membrane and extracellular space. Is expressed in renal vasculature. Orthologous to human TNFRSF9 (TNF receptor superfamily member 9). |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 46.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MGNNCYNVVVIVLLLVGCEKVGAVQNSCDNCQPGTFCRKYNPVCKSCPPSTFSSIG<br>GQPNCNICRV CAGYFRFKKFCSSSTHNAECECIEGFHCLGPQCTRCEKDCRPGQELT<br>KQGCKTCSLGT FNDQNGTGVC RPWTNCSLDGRSVLKTGTTEKD VVCGPPVVSFSP<br>STTISVTPEGGP AFKKT TGA AQEEDACSCRC PQEEEGGGGYEL                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | WB; ELISA; FACS; FC                                                                                                                                                                                                                                                         |
| <b>Stability</b>      | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.                                                                      |
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                          |
| <b>Concentration</b>  | 1 mg/mL                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Tnfrsf9 tumor necrosis factor receptor superfamily, member 9 [ Mus musculus (house mouse) ]                                                                                                                                                                                 |
| <b>Official Symbol</b> | TNFRSF9                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>        | TNFRSF9; tumor necrosis factor receptor superfamily, member 9; tumor necrosis factor receptor superfamily member 9; CD137 antigen; T-cell antigen 4-1BB; 4-1BB ligand receptor; secreted CD137 antigen; ILA; Ly63; 4-1BB; Cd137; CDw137; AA408498; AI325004; A930040I11Rik; |
| <b>Gene ID</b>         | 21942                                                                                                                                                                                                                                                                       |

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|----------------|--------------|
| mRNA Refseq    | NM_001077508 |
| Protein Refseq | NP_001070976 |
| UniProt ID     | P20334       |

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