

## Active Recombinant Mouse Tnfrsf11a, Fc-tagged

**Cat. No.** Tnfrsf11a-472M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Mouse RANK (aa 31-214) is fused at the C-terminus to the Fc portion of human IgG1.  |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | 31-214 a.a.   |
| <b>Description</b>      | RANK (TRANCE-R; CD265) is the receptor for RANKL/TRANCE/OPGL. It is essential for RANKL-mediated osteoclastogenesis and is involved in the regulation of interactions between T cells and dendritic cells.      |
| <b>Form</b>             | Lyophilized. Contains PBS.  |
| <b>Bio-activity</b>     | Inhibits mouse and human RANKL biological functions.  |
| <b>Molecular Mass</b>   | ~55kDa (SDS-PAGE)   |
| <b>Purity</b>           | ≥95% (SDS-PAGE)   |
| <b>Stability</b>        | Stable for at least 6 months after receipt when stored at -20°C.  |
| <b>Storage</b>          | Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions. |

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**Concentration** 1mg/ml after reconstitution.

## GENE INFORMATION

**Gene Name** [Tnfrsf11a tumor necrosis factor receptor superfamily, member 11a \[ Mus musculus \]](#)

**Official Symbol** Tnfrsf11a

**Synonyms** TNFRSF11A; tumor necrosis factor receptor superfamily, member 11a; tumor necrosis factor receptor superfamily member 11A; receptor activator of NF-KB; receptor activator of NF-kappaB; osteoclast differentiation factor receptor; OFE; ODFR; Rank; Ly109; mRANK; TRANCE-R;

**Gene ID** [21934](#)

**mRNA Refseq** [NM\\_009399](#)

**Protein Refseq** [NP\\_033425](#)

**Pathway** Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Osteoclast, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; Rheumatoid arthritis, organism-specific biosystem; Rheumatoid arthritis, conserved biosystem;

**Function** binding; cytokine binding; metal ion binding; protein binding; receptor activity; transmembrane signaling receptor activity; tumor necrosis factor-activated receptor activity;

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