

# Active Recombinant Human TNFRSF11B

**Cat. No.** TNFRSF11B-210H    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human TNFRSF11B (Accession # AAB53709) Met1-Leu401 was produced in Chinese Hamster Ovary cell line, CHO-derived.                                                                                                         |
| <b>Species</b>              | Human                                                                                                                                                                                                                                |
| <b>Source</b>               | CHO                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>        | 1-401 a.a.                                                                                                                                                                                                                           |
| <b>Predicted N Terminal</b> | Glu22                                                                                                                                                                                                                                |
| <b>Form</b>                 | Lyophilized from a 0.2 μ filtered solution in PBS with BSA as a carrier protein.                                                                                                                                                     |
| <b>Bio-activity</b>         | Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED50 for this effect is typically 2 -10 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10. |
| <b>Molecular Mass</b>       | Recombinant Human TNFRSF11B has a calculated MW of 43.6 kDa (monomer). In SDS-PAGE migrates as 54-64 kDa, reducing conditions.                                                                                                       |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                          |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                                        |

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**Reconstitution** Reconstitute at 100 µg/mL in PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | TNFRSF11B tumor necrosis factor receptor superfamily, member 11b [ Homo sapiens ]                                                                                                                                                |
| <b>Official Symbol</b>     | TNFRSF11B                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | TNFRSF11B; tumor necrosis factor receptor superfamily, member 11b; OPG, osteoprotegerin; tumor necrosis factor receptor superfamily member 11B; OCIF; TR1; osteoprotegerin; osteoclastogenesis inhibitory factor; OPG; MGC29565; |
| <b>Gene ID</b>             | 4982                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_002546                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_002537                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 602643                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | O00300                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 8q24                                                                                                                                                                                                                             |

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