

## OPG/TNFRSF11B (C-6His), Human, Recombinant

货号: PCK213

## 产品信息

别名 Tumor Necrosis Factor Receptor Superfamily Member 11B; Osteoclastogenesis

Inhibitory Factor; Osteoprotegerin; TNFRSF11B; OCIF; OPG

物种 Human

表达宿主 Human Cells P

序列信息 Glu22-Leu401

检索号 O00300

分子量 44.65 kDa

### 产品特性

纯度 >95% as determined by reducing SDS-PAGE.

内毒素 <1.0 EU per µg as determined by LAL test.

保存 Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt.

Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at -5~-20°C for 3 months.

运输 Ambient temperature or ice pack.

制剂 Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

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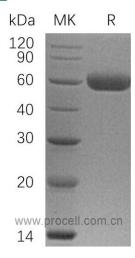
#### 复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

# 背景介绍

TNFRSF11B is a secreted Protein, containing 2 death domains and 4 TNFR-Cys repeats. TNFRSF11B is a decoy Receptor for the Receptor activator of nuclear factor kappa B Ligand (RANKL). By binding RANKL, TNFRSF11B inhibits nuclear kappa B (NF-κB) which is a central and rapid acting transcription factor for immune-related genes, and a key regulator of inflammation, innate immunity, and cell survival and differentiation. TNFRSF11B levels are influenced by voltagedependent calcium channelsCav1.2. TNFRSF11B can reduce the production of osteoclasts by inhibiting the differentiation of osteoclast precursors (osteoclasts are related to monocytes/ macrophages and are Derived from granulocyte/ macrophage-forming colony units (CFU-GM)) into osteoclasts and also regulates the resorption of osteoclasts in vitroand in vivo. TNFRSF11B binding to RANKL on osteoblast/ stromal cells, blocks the RANKL-RANK Ligand interaction between osteoblast/ stromal cells and osteoclast precursors. This has the effect of inhibiting the differentiation 诺赛® | Pricella of the osteoclast precursor into a mature osteoclast.

### SDS-PAGE



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