# TNFRSF11B (Human) Recombinant Protein

Catalog # P8991 Size 2 x 10 ug

## Specification

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|---|---|
| **Product Description** | Human TNFRSF11B (O00300, 22 a.a. - 401 a.a.) partial-length recombinant protein with His tag at C-Terminus expressed in *Baculovirus*. |
| **Sequence** | ADPETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKTVCAPCPDHYYTDSWHTSDECLY CSPVCKELQYVKQECNRTHNRVCECKEGRYLEIEFCLKHRSCPPGFGVVQAGTPERNTVCKRC PDGFFSNETSSKAPCRKHTNCSVFGLLLTQKGNATHDNICSGNSESTQKCGIDVTLCEEAFFRFA VPTKFTPNWLSVLVDNLPGTKVNAESVERIKRQHSSQEQTFQLLKLWKHQNKDQDIVKKIIQDIDL CENSVQRHIGHANLTFEQLRSLMESLPGKKVGAEDIEKTIKACKPSDQILKLLSLWRIKNGDQDTLK GLMHALKHSKTYHFPKTVTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISCLSGRLVPRGS HHHHHH. |
| **Host** | Nicotiana benthamiana |
| **Theoretical MW (kDa)** | 45.6 |
| **Form** | Liquid |
| **Preparation Method** | *Baculovirus* expression system |
| **Purity** | > 85% by SDS PAGE |
| **Storage Buffer** | PBS pH-7.4 and 10% glycerol. |
| **Storage Instruction** | Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. |

## Applications

- SDS-PAGE

## Gene Info — TNFRSF11B

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|---|---|
| **Entrez GeneID** | 4982 |
| **Protein Accession#** | O00300 |

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|---|---|
| **Gene Name** | TNFRSF11B |
| **Gene Alias** | MGC29565, OCIF, OPG, TR1 |
| **Gene Description** | tumor necrosis factor receptor superfamily, member 11b |
| **Omim ID** | 239000 602643 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular r egulators of osteoclast development. Studies of the mouse counterpart also suggest that this prot ein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined. [provided by RefSeq |
| **Other Designations** | osteoclastogenesis inhibitory factor\|osteoprotegerin |

## Pathway

- Cytokine-cytokine receptor interaction

## Disease

- Acute Disease
- Alveolar Bone Loss
- Alzheimer disease
- Arthritis
- Asthma
- Body Weight
- Bone Diseases
- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases

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- Cerebral Hemorrhage
- Chronic Disease
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Neuropathies
- Diarrhea
- Disease Progression
- Edema
- Escherichia coli Infections
- Femoral Neck Fractures
- Fractures
- Gaucher disease
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hip Fractures
- Hypertension
- Hypertrophy
- Inflammation
- Kidney Failure
- Lupus Erythematosus
- Metabolic Syndrome X
- Neoplasms
- Obesity
- Osteitis Deformans
- Osteoarthritis

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- Osteoporosis
- Osteoporotic Fractures
- Periodontitis
- Prostate cancer
- Prostatic Neoplasms
- Prosthesis Failure
- Scoliosis
- Spinal Fractures
- Stroke
- Thyroid Neoplasms

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