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# Recombinant mouse OPG/TNFRSF11B protein

Catalog Number: ATGP3350

#### PRODUCT INFORMATION

#### **Expression system**

Baculovirus

#### **Domain**

22-401aa

#### UniProt No.

008712

#### **NCBI Accession No.**

NP 032790

#### **Alternative Names**

Tumor necrosis factor receptor superfamily member 11B, Osteoclastogenesis inhibitory factor, Osteoprotegerin, OCIF, OPG, TR1

#### **PRODUCT SPECIFICATION**

# **Molecular Weight**

44.4 kDa (388aa)

#### **Concentration**

0.25mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

# Tag

His-Tag

### **Application**

SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### **BACKGROUND**

# **Description**

Tnfrsf11b, also known as tumor necrosis factor receptor superfamily member 11B, is a member of the tumor necrosis factor receptor TNFR superfamily. It inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Also It plays a role in preventing arterial calcification. Recombinant mouse Tnfrsf11B, fused to



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His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

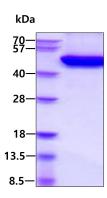
ETLPPKYLHY DPETGHQLLC DKCAPGTYLK QHCTVRRKTL CVPCPDHSYT DSWHTSDECV YCSPVCKELQ SVKQECNRTH NRVCECEEGR YLEIEFCLKH RSCPPGSGVV QAGTPERNTV CKKCPDGFFS GETSSKAPCI KHTNCSTFGL LLIQKGNATH DNVCSGNREA TQKCGIDVTL CEEAFFRFAV PTKIIPNWLS VLVDSLPGTK VNAESVERIK RRHSSQEQTF QLLKLWKHQN RDQEMVKKII QDIDLCESSV QRHLGHSNLT TEQLLALMES LPGKKISPEE IERTRKTCKS SEQLLKLLSL WRIKNGDQDT LKGLMYALKH LKTSHFPKTV THSLRKTMRF LHSFTMYRLY QKLFLEMIGN QVQSVKISCL <LEHHHHHH>

#### **General References**

Min H., et al. (2000) J Exp Med. 192:463-474. Simonet WS., et al. (1997) Cell. 89:309-319.

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

