

# Tumor necrosis factor receptor superfamily member 11B

Catalog No: #AP78387

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Package Size: #AP78387-1 50ug #AP78387-2 100ug #AP78387-3 1mg

## Description

Product Name	Tumor necrosis factor receptor superfamily member 11B
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	22-401AA
Other Names	OCIF,OPG,Osteoclastogenesis inhibitory factor,Osteoprotegerin
Accession No.	O00300Gene name:TNFRSF11B
Uniprot	O00300
GeneID	4982;
Calculated MW	41.8
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Acts as decoy receptor for TNFSF11/RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local ratio between TNFSF11 and TNFRSF11B. May also play a role in preventing arterial calcification. May act as decoy receptor for TNFSF10/TRAIL and protect against apoptosis. TNFSF10/TRAIL binding blocks the inhibition of osteoclastogenesis.

## References

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Note: This product is for in vitro research use only