Recombinant Human TNFRSF11B

Cat. No. TNFRSF11B-191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Bone Morphogenetic Protein-6 produced in*E.coli*is a homodimeric, non-glycosylated, Polypeptide chain containing 142 amino acids and having a molecular mass of 15 kDa. 3 additional amino acids were added from the N-terminal Ala-Pro-Thr to increase bacterial expression.
Species	Human
Source	E.coli
Description	Human Osteoprotegerin (OPG) is a cytokine factor that is a member of the TNF Receptor superfamily. It is also known as Osteoclastogenesis Inhibitory Factor (OCIF), and acts on bone tissue by increasing bone mineral density and bone volume. Human OPG is a 19.9 kDa protin with 175 amino acid residues.
Purity	Purity > 98% by HPLC analysis.
Endotoxin	< 0.1 ng per ug TNFRSF11B.
Biological Activity	Fully biologically actice when compared to standards, activity determined by ability to neutralize the stimulation of U937 cells treated with 10 ng/mL sRANKL.
Handling And Storage	PurifiedTNFRSF11B is provided sterile-filtered and lyophilized from Tris buffered saline (pH 7.5) with no additives. Store lyophilized, at -20^{0}C. Upon reconstitution with 100 uL 5mM Tris, Ph 7.5, further dilute in PBS or other buffered solutions. Store small aliquots at -20^{0}C for long-term storage, at high concentration.

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GENE INFORMATION

Gene Name	TNFRSF11B tumor necrosis factor receptor superfamily, member 11b [Homo sapiens]
Synonyms	TNFRSF11B; tumor necrosis factor receptor superfamily, member 11b; OPG; TR1; OCIF; MGC29565; TNFRSF11B; osteoclastogenesis inhibitory factor
Gene ID	4982
mRNA Refseq	NM_002546
Protein Refseq	NP_002537
MIM	602643
UniProt ID	O00300
Chromosome Location	8q24
Pathway	Cytokine-cytokine receptor interaction
Function	cytokine activity; protein binding; receptor activity

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