Active Recombinant Human TNFRSF11B, Fc-tagged, Biotinylated

Cat. No. TNFRSF11B-654H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human OPG-Fc fusion is expressed as a 608 amino acid protein consisting of Glu22 - Leu401 region of OPG (UniProt accession #O00300) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	22-401 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligands TRAIL and RANKL. Inhibits TRAIL- and RANKL-mediated signaling activity including NF-kB activation and TRAIL-induced cytotoxicity in L-929 mouse fibroblast cells.
Molecular Mass	Calculated molecular mass (kDa): 69.2; Estimated by SDS-PAGE under reducing condition (kDa): 75-85
Endotoxin	<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition

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Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	TNFRSF11B tumor necrosis factor receptor superfamily, member 11b [Homo sapiens]
Official Symbol	TNFRSF11B
Synonyms	TNFRSF11B; tumor necrosis factor receptor superfamily, member 11b; OPG, osteoprotegerin; tumor necrosis factor receptor superfamily member 11B; OCIF; TR1; osteoprotegerin; osteoclastogenesis inhibitory factor; OPG; MGC29565;
Gene ID	4982
mRNA Refseq	NM_002546
Protein Refseq	NP_002537
MIM	602643
UniProt ID	O00300
Chromosome Location	8q24

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Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Monoamine Transport, organism-specific biosystem; Osteoblast Signaling, organism-specific biosystem; Osteoclast Signaling, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem;
Function	binding; cytokine activity; receptor activity;

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