

## Recombinant Human TNFRSF11B Protein, His-tagged

Cat. No. TNFRSF11B-2768H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFRSF11B Protein (Met1-Gly196) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Gly196
<b>Description</b>	<p>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 regulators of osteoclast development. Studies of the mouse counterpart also suggest that this protein 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.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 26.0 kDa Accurate Molecular Mass: 26 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).

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<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	TNFRSF11B tumor necrosis factor receptor superfamily, member 11b [ Homo sapiens (human) ]
<b>Official Symbol</b>	TNFRSF11B
<b>Synonyms</b>	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;
<b>Gene ID</b>	4982

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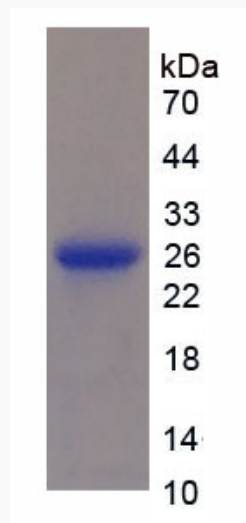
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mRNA Refseq [NM\\_002546](#)

Protein Refseq [NP\\_002537](#)

MIM [602643](#)

UniProt ID [O00300](#)



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