

# Active Recombinant Human TNFRSF11B protein, His-tagged

Cat. No. TNFRSF11B-487H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human TNFRSF11B protein(NP_002537.3)(Met1-Leu401), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Leu401
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	Immobilized Osteoprotegerin Protein, Human, Recombinant (His Tag) at 2 µg/mL (100 µL/well) can bind RANKL Protein, Human, Recombinant (ECD, hFc Tag), the EC50 is 13-64 ng/mL.
<b>Molecular Mass</b>	The secreted recombinant human TNFRSF11B comprises 391 amino acids and has a predicted molecular mass of 45.3 kDa. As a result of glycosylation, rhTNFRSF11B migrates as an approximately 55 kDa bnd in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 97 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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

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