

Recombinant Human TNFRSF11B protein, His-tagged

Cat. No. TNFRSF11B-456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFRSF11B (O00300) aa. (Tyr31~Leu401) fused with His tag was produced in HEK293F cells.
Species	Human
Source	HEK293
ProteinLength	Tyr31~Leu401
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.4kDa; Accurate Molecular Mass: 57kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Characteristic	Isoelectric point is 8.7.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling
Stability	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°C 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	TNFRSF11B TNF receptor superfamily member 11b [Homo sapiens (human)]
Official Symbol	TNFRSF11B
Synonyms	TNFRSF11B; TNF receptor superfamily member 11b; OPG; TR1; OCIF; PDB5; tumor necrosis factor receptor superfamily member 11B; osteoclastogenesis inhibitory

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factor; osteoprotegerin; tumor necrosis factor receptor superfamily, member 11b

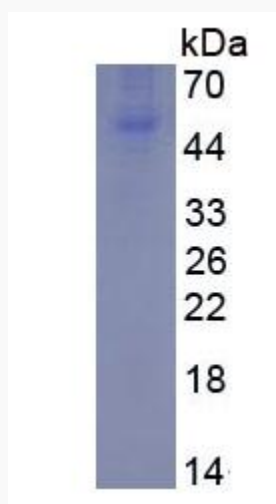
Gene ID 4982

mRNA Refseq NM_002546.3

Protein Refseq NP_002537.3

UniProt ID O00300

SDS-PAGE



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