Active Recombinant Human TNFRSF11B protein, His-tagged

Cat. No. TNFRSF11B-2694H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human TNFRSF11B/Osteoprotegerin Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Glu22-Leu401) of human Osteoprotegerin/TNFRSF11B (Accession #NP_002537.3) fused with a 6×His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Glu22-Leu401
Form	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant human TNFRSF11B at 2 μg/mL (100 μL/well) can bind Recombinant human TNFSF11 with a linear range of 2-8 ng/mL. 2.Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED50 for this effect is 28.5-114 pg/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.
Molecular Mass	55-65 kDa
Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Purity	> 95% by SDS-PAGE.

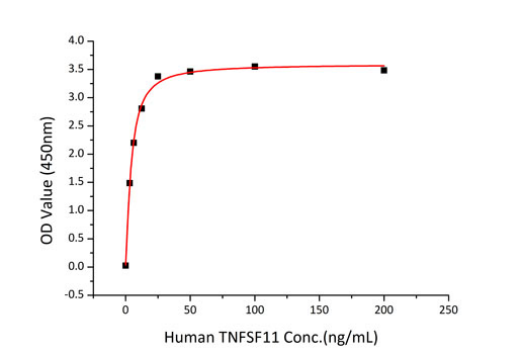
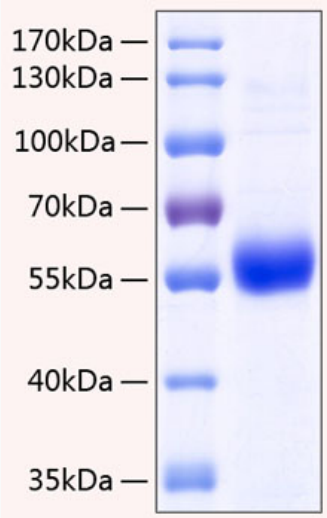
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Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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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Bio-activity	
SDS-PAGE	

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