RP00459
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Recombinant Human Osteoprotegerin/TNFRSF11B/OPG Protein

Catalog No.: RP00459 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	4982	O00300

Tags
C-6×His

Synonyms
TNFRSF11B; OCIF; OPG; PDB5; TR1; TNF receptor superfamily member 11b;Osteoprotegerin;OCIF;OPG;PDB5;TR1

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein 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.

Basic Information

Description
Recombinant Human Osteoprotegerin/TNFRSF11B/OPG Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Glu22-Leu401) of human Osteoprotegerin/TNFRSF11B/OPG (Accession #O00300) fused with a 6×His tag at the C-terminus.

Bio-Activity

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.
Avoid repeated freeze/thaw cycles.

Contact

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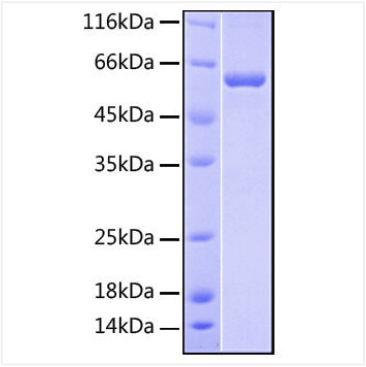
Validation Data



Recombinant protein Human Osteoprotegerin/TNFRSF11B/OPG was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 60 kDa.