

Recombinant Human OPG (TNFRSF11B)

Cat No:HR2R1810

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	TNFRSF11B
Gene ID	4982
Accession	O00300
Alternative Name	OCIF, Tumor necrosis factor receptor superfamily member 11B, TNFRSF11B, Osteoprotegerin, TNFRSF11B, TR1 Recombinant Human Osteoclastogenesis Inhibitory Factor (TNFRSF11B)
Species	Human
Source	E. coli
Description	A member of the TNF superfamily, OPG is expressed in many different tissues, including the heart, liver, lung and bone marrow although its main role is to mediate bone density. When expressed, the protein may form dimers or stay in its monomeric form. The three dimensional structure of OPG can be divided into seven distinct domains, four of which correspond to the extracellular region of TNFR proteins and constitutes the soluble form of OPG.
Functions	N.A.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS with BSA as a carrier protein.
Solubility	Reconstitute at 0.1mg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin
Appearance	Lyophilized Powder
Molecular Weight	20
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.