

**ANTIGENIX AMERICA Inc.**  
**1-800-558-1008**  
**PRODUCT INFORMATION SUMMARY**

**Human Osteoprotegerin (OPG)**

Purified Factor	Product Number	HC88873B	50.0 ug
		HC88873A	10.0 ug

**DESCRIPTION:**

Human Osteoprotegerin (OPG) is a cytokine factor that is a member of the TNF Receptor superfamily. It is also known as Osteoclastogenesis Inhibitory Factor (OCIF), and acts on bone tissue by increasing bone mineral density and bone volume. Human OPG is a 19.9 kDa protein with 175 amino acid residues.

**SOURCE:** E. Coli

Purity > 98% by HPLC analysis

Endotoxin < 0.1 ng per ug OPG

Sterile filtered and lyophilized, additive-free.

**BIOLOGICAL ACTIVITY:**

Fully biologically active when compared to standards, activity determined by ability to neutralize the stimulation of U937 cells treated with 10 ng/mL sRANKL.

**HANDLING AND STORAGE:**

Purified OPG factor is provided sterile-filtered and lyophilized from Tris buffered saline (pH 7.5) with no additives. Store lyophilized, at -20° C. Upon reconstitution with 100 uL **5mM Tris, Ph 7.5**, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage, at high concentration.

**Before opening vial**, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

**WARRANTY:**

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

**RESEARCH USE ONLY -NOT for DRUG USE**