

Human Osteoprotegerin / OPG

Synonyms: TNFRSF11B, OPG, OCIF, Osteoclastogenesis inhibitory factor, Osteoprotegerin, TR1, MGC29565.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
10 µg	1795.950.010		
50 µg	1795.950.050		
1 mg	1795.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant Human Osteoprotegerin produced in *E.Coli* cells is a single, non-glycosylated, polypeptide chain containing 174 amino acids and having a molecular mass of 20kDa.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The OPG was lyophilized from a 0.2µm filtered concentrated (0.5mg/ml) solution in PBS, pH 7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The activity is determined by its ability to neutralize the stimulation of U937 cells treated with 10ng/ml of soluble RANKL corresponding to a specific activity of 100,000IU/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Osteoprotegerin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution OCIF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

METFPPKYLH YDEETSHQLL CDKCPPGYL KQHCTAKWKT VCAPCPDHY TDSWHTSDEC LYCSPVCKEL
 QYVKQECNRT HNRVCECKEG RYLEIEFCLK HRSCPPGFGV VQAGTPERNT VCKRCPDGGF SNETSSKAPC
 RKHTNCSVFG LLLTQKGNAT HDNICSGNSE STQK

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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