

Product information

Osteoprotegerin/TNFRSF11B, 22-401 aa Human, His-tagged, Recombinant, Insect cell

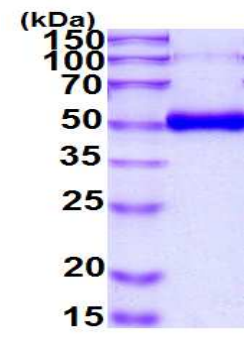
Cat. No. IBOPG0905

Full name: Tumor necrosis factor receptor superfamily, member 11b

NCBI Accession No.: NP_002537

Synonyms: Osteoclastogenesis inhibitory factor, OPG, OCIF

Description: Osteoprotegerin (OPG) is a member of the tumor necrosis factor (TNF)-related family, is referred to as TNFRSF11B and part of the OPG/receptor activator of NF- κ B ligand (RANKL)/receptor activator of NF- κ B (RANK) triad. This cytokine that lacks any apparent cell-association motifs and exists as a soluble secreted protein, network regulates the differentiation and activation of osteoclasts and hence the critical balance between bone formation (osteoblasts) and bone resorption (osteoclasts). Recombinant human osteoprotegerin protein, fused to His-tag at C-terminus, was expressed in insect cell using baculovirus expression system and purified by using conventional chromatography techniques

<p>Form: Liquid. In PBS (pH 7.4) containing 10% glycerol</p> <p>Molecular Weight: 44.7 kDa (389 aa) (On SDS-PAGE under denatured condition, apparent molecular weight of glycosylated rhOPG protein will appear at approximately 55kDa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p> <p>Endotoxin Level: < 1.0 EU per 1 μg of protein (determined by LAL method)</p>	 <p>12% SDS-PAGE (3μg)</p>
<p>Sequences of amino acids: <u>AD</u>PETFPFKY LHYDEETSHQ LLCDKCPPGT YLKQHCTAKW KTVCAPCPDH YYTDSWHTSD ECLYCSPVCK ELQYVKQECN RTHNRVGECK EGRYLEIEFC LKHRSCPPGF GVVQAGTPER NTVCKRCPDG FFSNETSSKA PCRKHTNCSV FGLLLTQKGN ATHDNICSGN SESTQKCGID VTLCEEAFRR FAVPTKFTPN WLSVLVDNLP GTKVNAESVE RIKRQHSSQE QTFQLLKLWK HQNKDQDIVK KIIQDIDLCE NSVQRHIGHA NLTFEQLRSL MESLPGKKVG AEDI EKT IKA CKPSDQILKL LSLWRINKGD QDTLKGMLHA LKHSKTYHFP KTVTQSLKKT IRFLHSFTMY KLYQKLFLEM IGNQVQSVKI SCL<u>HHHHHH</u></p>	

General references:

Lacey, D.L. *et al.* (1998) *Cell* 93:165-76

Yasuda H. *et al.* (1998) *PNAS* 95:3597-602

A. Van Campenhout, Golledge J. (2009) *Atherosclerosis* 204:321-29

Storage: Can be stored at +4°C short term (1 week). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.