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32-6515: OPG Mouse

Alternative Name : Tumor necrosis factor receptor superfamily member 11B, Ocif, Opg, Tnfrsf11b, Osteoclastogenesis inhibitory factor, TR1.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
Osteoprotegerin acts as decoy receptor for rankl and thereby neutralizes its function in osteoclastogenesis. OPG inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local rankl/opg ratio. Osteoprotegerin may also play a role in preventing arterial calcification. May act as decoy receptor for trail and protect against apoptosis. Trail binding blocks the inhibition of osteoclastogenesis.
OPG Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 388 amino acids (22-401a.a.) and having a molecular mass of 44.4kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).OPG is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	OPG protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ETLPPKYLHY DPETGHQLLC DKCAPGTYLK QHCTVRRKTL CVPCPDHSYT DSWHTSDECV YCSPVCKELQ SVKQECNRTH NRVCECEEGR YLEIEFCLKH RSCPPGSGVV QAGTPERNTV CKKCPDGFFS GETSSKAPCI KHTNCSTFGL LLIQKGNATH DNVCSGNREA TQKCGIDVTL CEEAFFRFAV PTKIIPNWLS VLVDSLPGTK VNAESVERIK RRHSSQEQTF QLLKLWKHQN RDQEMVKKII QDIDLCESSV QRHLGHSNLT TEQLLALMES LPGKKISPEE IERTRKTCKS SEQLLKLLSL WRIKNGDQDT LKGLMYALKH LKTSHFPKTV THSLRKTMRF LHSFTMYRLY QKLFLEMIGN QVQSVKISCL LEHHHHHH.

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