

## 32-1642: OPG Hi-5 Recombinant Protein

**Alternative Name :** TNFRSF11B,OPG,OCIF,Osteoclastogenesis inhibitory factor,Osteoprotegerin,TR1,MGC29565.

### Description

Source : Hi-5. Recombinant Osteoprotegerin produced in baculovirus is a single, glycosylated polypeptide chain containing 398 amino acid residues (22-401 a.a.), having a calculated molecular mass of 45.6 kDa. The Osteoprotegerin is fused to 17 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques. 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.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	Osteoprotegerin protein contains PBS pH-7.4 and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
<b>Amino Acid :</b>	ADPETFPPKY LHYDEETSHQ LLC DKCPPGT YLKQHCTAKW KTVCAPCPDH YYTDSWHTSD ECLYCSPVCK ELQYVKQECN RTHNRVCECK EGRYLEIEFC LKHRSCPPGF GVVQAGTPER NTVCKRCPDG FFSNETSSKA PCRKHTNCSV FGLLLTQKGN ATHDNICSGN SESTQKCGID VTLCEEAFRR FAVPTKFTPNWLSVLVDNLP GTKVNAESVE RIKRQHSSQE QTFQLLKLWK HQNKDQDIVK KIIQDIDLCE NSVQRHIGHA NLTFEQLRSL MESLPGKKVG AEDIEKTIKACKPSDQILKL LSLWRKNGD QDTLKGLMHA LKHSKTYHFP KTVTQSLKKT IRFLHSFTMY KLYQKLFLEM IGNQVQSVKI SCLSGRLVPR GSHHHHHH.