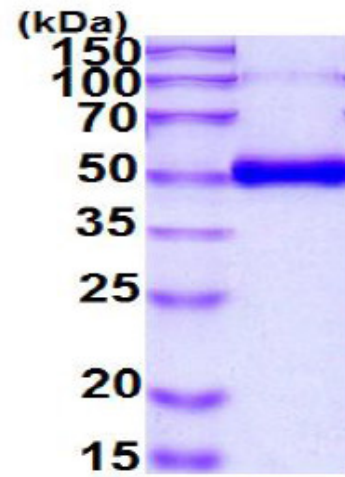


AR09137PU-S**Recombinant human Osteoprotegerin (aa 22-401), His-tagged**

Alternate names:	OCIF, OPG, Osteoclastogenesis inhibitory factor, Tumor necrosis factor receptor superfamily member 11B
Quantity:	30 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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-κB ligand (RANKL)/receptor activator of NF-κB (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).
Uniprot ID:	O00300
NCBI:	NP_002537
GeneID:	4982
Species:	Human
Source:	Insect cells
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: PBS (pH 7.4) containing 10% glycerol Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)
Description:	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. AA Sequence: ADPETFPPKY LHYDEETSHQ LLCDKCPPGT YLKQHCTAKW KTVCAPCPDH YYTDSWHTSD ECLYCSPVCK ELQYVKQECN RTHNRVCECK EGRYLEIEFC LKHRSCPPGF GVVQAGTPER NTVCKRCPDG FFSNETSSKA PCRKHTNCSV FGLLLTQKGN ATHDNICSGN SESTQKCGID VTLC EEAFR FAVPTKFTPN WLSVLVDNLP GTKVNAESVE RIKRQHSSQE QTFQLLKLWK HQNKDQDIVK KIIQDIDLCE NSVQRHIGHA NLTFEQLRSL MESLPGKKVG AEDIEKTIKA CKPSDQILKL LSLWRIKNGD QDTLGLMHA LKHSKTYHFP KTVTQSLKKT IRFLHSFTMY KLYQKLFLEM IGNQVQSVKI SCLHHHHHH Molecular weight: 44.7 kDa (389 aa)
Add. Information:	(On SDS-PAGE under denatured condition, apparent molecular weight of glycosylated rhOPG protein will be appeared at approximately 55kDa).
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	A. Van Campenhout, Golledge J. (2009) Atherosclerosis 204:321-29.

Pictures:



12% SDS-PAGE (3ug)