

Osteoprotegerin/TNFRSF11B, 22-401aa, Human, His-tagged, Recombinant, Hi-5 Cell

Cat.NO.: TP03265

3th Edition

Synonyms:Tumor necrosis factor receptor superfamily, member 11b, 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).

Form:Liquid. In PBS (pH 7.4) containing 10% glycerol

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)

Sequences:

ADPETFPPKYLHYDEETSHQLLCDKCPPGTYLKQHCTAKWKTVCAPCPDHYYTDSWHTSDECLYCSPVCKELQYV
KQECNRTHNRVCECKEGRYLEIEFCLKHRSCPPGFGVVQAGTPERN TVCKRCPDGFFSNETSSKAPCRKHTNCS
VFGLLLTQKGNATHDNICSGNSESTQKCGIDVTLCEEAFRFVPTKFTPNWLSVLVDNLPGTKVNAESVERIKRQH
SSQEQT FQLLKLWKHQNKDQDIVKIIQDIDL CENSVQRHIGHANLTFEQLRSLMESLPGKKVGAEDIEKTIKACKPS
DQILKLLSLWRIKNGDQDTL KGLMHALKH SKTYHFPKTVTQSLKKTIRFLHSFTMYKLYQKLFLEMIGNQVQSVKISC
LHHHHHH

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.