



Osteoprotegerin (OPG)

Catalog No. PY-20068

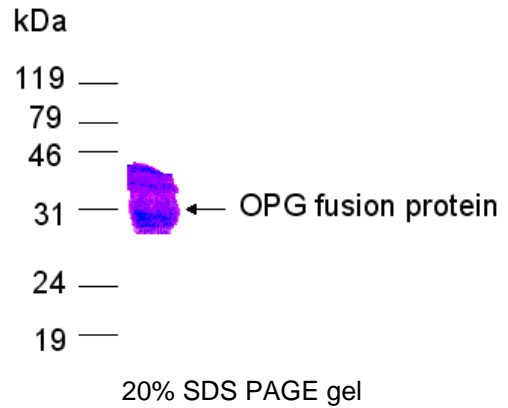
Scale: 1 mg

Form: lyophilized protein

Target description

Osteoprotegerin (OPG), which is a member of the tumor necrosis factor receptor superfamily and is involved in the regulation of bone metabolism. OPG and its ligand (OPGL) are cytokines regulating osteoclastogenesis. OPGL binds to receptors on the surface of preosteoclasts and stimulates their differentiation into active osteoclasts. This leads to osteoresorption. OPG inhibits this osteoclastogenesis (OPG is secreted by osteoblasts, and binds to OPGL, thus inhibiting maturation of osteoclasts and osteoresorption). The degree and activity of osteoresorption depend mainly on the balance between OPG and its ligand (OPGL); factors increasing OPGL expression mostly reduce OPG expression and vice versa.

SDS PAGE analysis (Commassie blue staining)



Products

E. coli derived OPG (aa. 201-401) fusion protein with His tag

Comments

Protein ID : GI:2072185

Fusion tag : 4kDa (His-tag)

Purity : > 80%

Fusion protein size : 31 kDa

Storage

Redissolve the powder with 1ml sterile water will restore to the original concentration 1mg/ml. For long-term storage at -20°C. Aliquot to avoid repeated freezing and thawing.

Application

Dilute with 1XPBS for Western blot, ELISA test antigen, Immunogen

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