osteocalcin (FL-95): sc-30045

BACKGROUND

Bone gamma-carboxyglutamic acid (Gla) protein, known as BGLAP, BGP, or osteocalcin, is an abundant, non-collagenous protein component of bone, which is produced by osteoblasts. Osteocalcin is a highly conserved, 46-50 amino acid, single chain protein that contains three vitamin K-dependent gamma-carboxyglutamic acid residues (GLA). Osteocalcin appears transiently in embryonic bone at the time of mineral deposition, where it binds to hydroxyapatite in a calcium-dependent manner. In addition, osteocalcin is one of the most abundant non-collagenous proteins found in mineralized adult bone. Genetic variation at the osteocalcin locus on chromosome 1q impacts bone mineral density (BMD) levels in postmenopause and may predispose some women to osteoporosis.

REFERENCES


SOURCE

osteocalcin (FL-95) is a rabbit polyclonal antibody raised against amino acids 1-95 representing full length osteocalcin of mouse origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.