

Recombinant human Osteocalcin protein, N-Trx & C-His

Catalog Number: bs-41235P

Concentration: >0.5 mg/ml

Species: Human

AA Seq: 24-100/100

Predicted MW: 22.5

Detected MW: 25 kDa

Tags: N-Trx & C-His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Storage: Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Osteocalcin belongs to the osteocalcin/matrix Gla protein family and constitutes 1 to 2% of the total bone protein. It is a 49 amino acid single chain vitamin K dependent protein, made by osteoblasts, and is a major component of the noncollagenous bone matrix. Post translational modification by a vitamin K dependent carboxylase produces three gamma carboxyglutamic acid residues at positions 17, 21 and 24, giving it a high affinity for calcium. It also binds strongly to apatite.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.