

Native Human Osteocalcin

Cat. No. BGLAP-57H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Prepared from extracts of acid-demineralized bone, using immunoaffinity chromatography.
Species	Human
Form	Supplied in 0.02 M Tris, 0.15 M NaCl, 2 mM CaCl ₂ , pH 7.4. Concentration is 0.97 mg/mL.
Molecular Mass	5800
Characteristic	Single chain, one intrachain disulfide bond, Cys 23-29 Isoelectric point: 4.0-4.5 Percent Carbohydrate: 0% Post-translational modifications: Three glu-residues, 17, 21, 24
Usage	For in vitro research use only. Not for use in diagnostics or in humans.
Storage	Store at or below -70°C.
Warning	No warranties, expressed or implied, are made regarding the use of this product. Creative Biomart is not liable for any damage, personal injury, or economic loss caused by this product.

GENE INFORMATION

Gene Name	BGLAP bone gamma-carboxyglutamate (gla) protein [Homo sapiens]
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Official Symbol	BGLAP
Synonyms	BGLAP; bone gamma-carboxyglutamate (gla) protein; osteocalcin; bone Gla protein; gamma-carboxyglutamic acid-containing protein; bone gamma-carboxyglutamate (gla) protein (osteocalcin); OC; BGP;
Gene ID	632
mRNA Refseq	NM_199173
Protein Refseq	NP_954642
MIM	112260
UniProt ID	P02818
Chromosome Location	1q25-q31
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem;
Function	calcium ion binding; hydroxyapatite binding; structural constituent of bone; structural molecule activity;

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