

## Recombinant Human BGLAP protein, MYC/DDK-tagged

Cat. No. BGLAP-1475H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BGLAP fused with MYC/DDK tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	8.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	BGLAP bone gamma-carboxyglutamate (gla) protein [ Homo sapiens ]
<b>Official Symbol</b>	BGLAP
<b>Synonyms</b>	BGLAP; bone gamma-carboxyglutamate (gla) protein; osteocalcin; bone Gla protein; gamma-carboxyglutamic acid-containing protein; bone gamma-carboxyglutamate

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	(gla) protein (osteocalcin); OC; BGP;
<b>Gene ID</b>	632
<b>mRNA Refseq</b>	NM_199173
<b>Protein Refseq</b>	NP_954642
<b>MIM</b>	112260
<b>UniProt ID</b>	P02818
<b>Chromosome Location</b>	1q25-q31
<b>Pathway</b>	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;
<b>Function</b>	calcium ion binding; hydroxyapatite binding; structural constituent of bone; structural molecule activity;

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