

## Recombinant Mouse Bglap Protein, MYC/DDK-tagged

Cat. No. Bglap-707M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse bone gamma carboxyglutamate protein (Bglap), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes one of the most abundant non-collagenous proteins in bone tissue that is localized to the mineralized matrix of bone. The encoded preproprotein undergoes proteolytic processing and post-translational gamma carboxylation to generate a mature, calcium-binding protein. Mice lacking the encoded protein develop abnormalities of bone remodelling. This gene is located adjacent to two other osteocalcin-related genes on chromosome 3.
<b>Molecular Mass</b>	11 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Bglap bone gamma carboxyglutamate protein \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Bglap](#)

**Synonyms** Bglap; bone gamma carboxyglutamate protein; OC; BGP; OG1; mOC-A; Bglap1; osteocalcin; bone Gla protein; bone gamma carboxyglutamate protein 1; gamma-carboxyglutamic acid-containing protein

**Gene ID** [12096](#)

**mRNA Refseq** [NM\\_007541](#)

**Protein Refseq** [NP\\_031567](#)

**UniProt ID** [P86546](#)

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