

Recombinant Mouse Bglap Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse bone gamma carboxyglutamate protein (Bglap), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	11 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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