

**Osteocalcin (7-19) (human)**  
**Synthetic Peptide**  
**Catalog # SP2701a****Specification**

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**Osteocalcin (7-19) (human) - Product Information**

Primary Accession [P02818](#)  
Sequence **NH2-GAPVPYPDPLEPR-COOH**

**Osteocalcin (7-19) (human) - Additional Information**

**Gene ID** 632

**Other Names**

Osteocalcin, Bone Gla protein, BGP, Gamma-carboxyglutamic acid-containing protein, BGLAP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Osteocalcin (7-19) (human) - Protein Information**

**Name** BGLAP

**Function**

The carboxylated form is one of the main organic components of the bone matrix, which constitutes 1-2% of the total bone protein (PubMed:<a href="http://www.uniprot.org/citations/3019668" target="\_blank">3019668</a>, PubMed:<a href="http://www.uniprot.org/citations/6967872" target="\_blank">6967872</a>). Acts as a negative regulator of bone formation and is required to limit bone formation without impairing bone resorption or mineralization (By similarity). Binds strongly to apatite and calcium upon gamma-carboxylation; this modification is essential for bone metabolism (PubMed:<a href="http://www.uniprot.org/citations/6967872" target="\_blank">6967872</a>, PubMed:<a href="http://www.uniprot.org/citations/39880952" target="\_blank">39880952</a>).

**Cellular Location**

Secreted.

**Osteocalcin (7-19) (human) - Images**