

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

Specification

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

Primary Accession
Sequence [P02818](#)
NH₂-GAPVVPYDPLEPR-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:[3019668](http://www.uniprot.org/citations/3019668), PubMed:[6967872](http://www.uniprot.org/citations/6967872)). 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:[6967872](http://www.uniprot.org/citations/6967872), PubMed:[39880952](http://www.uniprot.org/citations/39880952)).

Cellular Location

Secreted.

Osteocalcin (7-19) (human) - Images