

BGP recombinant protein

Recombinant Human Osteocalcin/Bone gla protein (OTB/GP) Protein

CATALOG #
AAA13291

HOST
E. coli

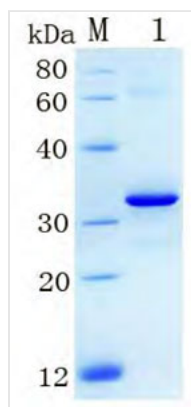
PRODUCT SYNONYMS

BGP; Recombinant Human Osteocalcin/Bone gla protein (OTB/GP) Protein; OC; BGLAP; OT; Bone Gla Protein; Bone Gamma-Carboxyglutamate Protein; Gamma-carboxyglutamic acid-containing protein.; BGP recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	> 90 % as determined by SDS-PAGE.
Form/Format	Lyophilized powder; Lyophilized from 10mM Tris-HCl, 1mM EDTA, 6% Trehalose, pH 8.0. The volume before lyophilized is 100uL/ vial
Concentration	0.3 mg/mL (varies by lot)
Sequence Positions	52-94
Sequence	YLYQWLGA PV PYPDPLEPRR EVCELNPDCD ELADHIGFQE AYR
Source	Human
Residues	N-terminal GST-tagged.
Usage	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1mg/ml. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long term storage at -20°C to -80°C. Our default final concentration of glycerol is 50%.
Preparation and Storage	Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Stability: The recombinant protein is stable for up to 6-12 months from date of receipt at -80°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for BGP recombinant protein	Osteocalcin (OC) is the most abundant noncollagenous protein in mature bone where it constitutes 1% to 2% of the total protein. Synthesized by osteoblasts, it is incorporated into the bone matrix. Osteocalcin is a 49-residue protein with three gamma-carboxyglutamic acid residues, at positions 17, 21 and 24. These three residues confer on it a very strong ability to bind to hydroxyapatite. Osteocalcin is a noncollagenous protein found in bone and dentin. It is secreted by osteoblasts and thought to play a role in mineralization and calcium ion homeostasis. It has been stipulated that osteocalcin may also function as a negative regulator of bone formation, although its exact role is unknown.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	40316933
NCBI GeneID	632
NCBI Accession #	NP_954642.1
NCBI GenBank Nucleotide #	NM_199173.5
UniProt Accession #	P02818; Q5TCK6
Molecular Weight	Predicted MW: 32.5 kDa Observed MW: 32 kDa
NCBI Official Full Name	osteocalcin preproprotein
NCBI Official Synonym Full Names	bone gamma-carboxyglutamate protein
NCBI Official Symbol	BGLAP
NCBI Official Synonym Symbols	OC; BGP; OCN
NCBI Protein Information	osteocalcin
UniProt Protein Name	Osteocalcin
UniProt Gene Name	BGLAP
UniProt Synonym Gene Names	BGP
UniProt Entry Name	OSTCN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/bglap-recombinant-protein-e-coli/13291>