

Osteocalcin Recombinant Protein | Bglap recombinant protein

Recombinant Rat Osteocalcin

CATALOG #
AAA114739

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

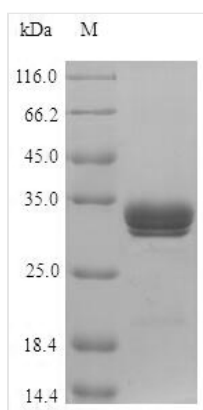
PRODUCT SYNONYMS

Osteocalcin; Recombinant Rat Osteocalcin; Bone Gla protein; BGP; Gamma-carboxyglutamic acid-containing protein; Bglap recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	50-99aa; Full Length of Mature Protein
Sequence	YLNNGLGAPA PYPDPLEPHR EVCELNPNCDELADHIGFQDAYKRIYGTTV
Sequence Length	99
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Bglap recombinant protein

Constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium.

References	Isolation of the human gene for bone gla protein utilizing mouse and rat cDNA clones.Celeste A.J., Buecker J.L., Kriz R., Wang E.A., Wozney J.M.EMBO J. 5:1885-1890(1986) The propeptide of rat bone gamma-carboxyglutamic acid protein shares homology with other vitamin K-dependent protein precursors.Pan L.C., Price P.A.Proc. Natl. Acad. Sci. U.S.A. 82:6109-6113(1985) Characterization of the rat osteocalcin gene stimulation of promoter activity by 1,25-dihydroxyvitamin D3.Yoon K., Rutledge S.J.C., Buenaga R.F., Rodan G.A.Biochemistry 27:8521-8526(1988) Molecular structure of the rat bone Gla protein gene and identification of putative regulatory elements.Theofan G., Haberstroh L.M., Price P.A.DNA 8:213-221(1989) Structure of the rat osteocalcin gene and regulation of vitamin D-dependent expression.Lian J., Stewart C., Puchacz E., Mackowiak S., Shalhoub V., Collart D., Zambetti G., Stein G.Proc. Natl. Acad. Sci. U.S.A. 86:1143-1147(1989)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11761543
NCBI GeneID	25295
NCBI Accession #	NP_038200.1
NCBI GenBank Nucleotide #	NM_013414.1
UniProt Accession #	P04640
Molecular Weight	32.6 kDa
NCBI Official Full Name	osteocalcin preproprotein
NCBI Official Synonym Full Names	bone gamma-carboxyglutamate (gla) protein
NCBI Official Symbol	Bglap
NCBI Official Synonym Symbols	Bgp; Bgpr; Bgpra; Bglap2
NCBI Protein Information	osteocalcin
UniProt Protein Name	Osteocalcin
UniProt Gene Name	Bglap
UniProt Synonym Gene Names	Bglap2; BGP
UniProt Entry Name	OSTCN_RAT

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.