

Osteocalcin (OC) Recombinant Protein | OC recombinant protein

Recombinant Osteocalcin (OC)

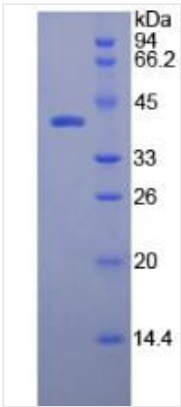
CATALOG # AAA134628	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Osteocalcin (OC); Recombinant Osteocalcin (OC); OC recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	Freeze-dried powder; 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% Sarcosyl, 5% Trehalose
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for OC recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ala11~Thr98
Tags	N-terminal His and GST Tag
Subcellular Location	Secreted
Predicted isoelectric point	6.2
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition



Sequence

ALTAFCLSDL AGAKPSDES DKAFMSKQEG SKVVNRLRRY
LNNGLGAPAP YPDPLEPHRE VCELNPNCDE LADHIGFQDA YKRIYGTG

SDS-PAGE

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	Predicted Molecular Mass: 39.7kDa Accurate Molecular Mass: 41kDa as determined by SDS-PAGE reducing conditions.
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; bone Gla protein; bone Gla-protein; bone gamma-carboxyglutamate protein 2; gamma-carboxyglutamic acid-containing protein; bone gamma-carboxyglutamate (gla) protein (osteocalcin); bone gamma-carboxyglutamic acid (Gla) protein (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.

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Online datasheet: <https://stage.aaabiotech.com/bglap-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134628>