

Osteocalcin (OC) Recombinant Protein | OC recombinant protein

Recombinant Osteocalcin (OC)

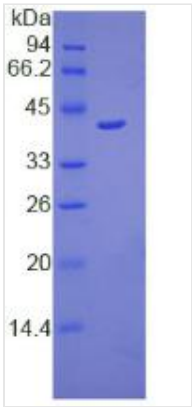
CATALOG # AAA133892	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as freeze-dried powder form in Phosphate buffered saline(PBS), pH 7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Sequence	The target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below. MSPILGYW KIKGLVQPTR LLEYLEEKY EEHLYERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLMDPM CLDAFPKLVK FKKRIEAIQ IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTL EVLFQGPLGS EF-ALCLSDL TDAKPSGPES DKAFMSKQEG NKVVNRLRRY LGASVPSPDP LEPTREQCEL NPACDELSAQ YGLKTAYKRI YGITI
Sequence Length	95
Applicable Applications for OC recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Ala14~Ile95 (Accession # P86546) with two N-terminal Tags, His-tag and GST-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and 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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

ALCLSDL TDAKPSGPES DKAFMSKQEG NKVVNRLRRY
LGASVPSPDP LEPTREQCEL NPACDELSQ YGLKTAYKRI YGITI

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	6671634
NCBI GeneID	12096
NCBI Accession #	NP_031567.1
NCBI GenBank Nucleotide #	NM_007541.3
UniProt Accession #	P86546; P04641
Molecular Weight	41.0kDa
NCBI Official Full Name	osteocalcin isoform 1
NCBI Official Synonym Full Names	bone gamma carboxyglutamate protein
NCBI Official Symbol	Bglap
NCBI Official Synonym Symbols	OC; OG1; mOC-A; Bglap1
NCBI Protein Information	osteocalcin; BGP; bone Gla protein; bone gamma carboxyglutamate protein 1; gamma-carboxyglutamic acid-containing protein
UniProt Protein Name	Osteocalcin
UniProt Gene Name	Bglap
UniProt Synonym Gene Names	BGP
UniProt Entry Name	OSTCN_MOUSE

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.