Recombinant Pig BGLAP Protein, His&GST-tagged

Cat. No. BGLAP-1263P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig BGLAP Protein (Tyr1-Ala49) with N-His&GST tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Tyr1-Ala49
Description	Constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.6 kDa Accurate Molecular Mass: 38 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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 centigrade 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.

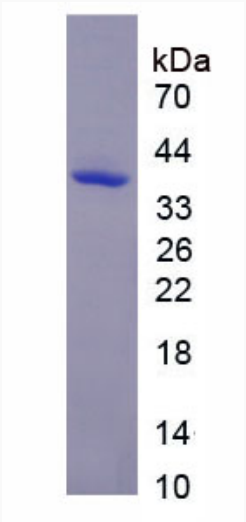
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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	BGLAP bone gamma-carboxyglutamate protein [Sus scrofa (pig)]
Official Symbol	BGLAP
Synonyms	BGLAP; bone gamma-carboxyglutamate protein; osteocalcin; BGP; bone Gla protein; gamma-carboxyglutamic acid-containing protein
Gene ID	397530
mRNA Refseq	NM_001164004
Protein Refseq	NP_001157476
UniProt ID	Q8HYY9

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