

## Recombinant Dog BGLAP protein, His-KSI-tagged

**Cat. No.** BGLAP-2588D    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Dog BGLAP protein(P81455)(1-49aa), fused to N-terminal His tag and KSI tag, was expressed in E. coli.                                                                                                                     |
| <b>Species</b>          | Dog                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-49aa                                                                                                                                                                                                                                |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 20.9 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | YLD SGLGAPVPYPDPLEPKREVCELNPNCDELADHIGFQEAYQRFYGPV                                                                                                                                                                                    |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                        |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for                                                               |

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long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

## GENE INFORMATION

|                 |                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | BGLAP bone gamma-carboxyglutamate (gla) protein [ Canis lupus familiaris ]                                                                                                    |
| Official Symbol | BGLAP                                                                                                                                                                         |
| Synonyms        | BGLAP; bone gamma-carboxyglutamate (gla) protein; osteocalcin; bone gamma-carboxyglutamate protein osteocalcin; bone gamma-carboxyglutamate (gla) protein (osteocalcin); GLA; |
| Gene ID         | 403762                                                                                                                                                                        |

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