

# Recombinant Human Osteocalcin/BGP protein (GST tag)



Catalog Number:PDEH100127

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

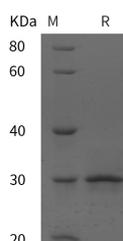
## Description

|                                    |  |
|------------------------------------|--|
| <b>Synonyms</b>                    | Osteocalcin;Bone Gla protein;BGP;Gamma-carboxyglutamic acid-containing protein;BGLAP |
| <b>Species</b>                     | Human  |
| <b>Expression Host</b>             | E.coli   |
| <b>Sequence</b>                    | Tyr 52-Val 100   |
| <b>Accession</b>                   | P02818   |
| <b>Calculated Molecular Weight</b> | 30.3 kDa   |
| <b>Observed molecular weight</b>   | 30 kDa   |
| <b>Tag</b>                         | N-GST  |

## Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | Please contact us for more information.   |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from sterile PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual.          |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Osteocalcin, also known as Bone gamma -Carboxyglutamic Acid Protein, is a secreted protein whose expression is restricted to cells of the osteoblast lineage. It has been frequently used as a marker for osteoblast lineage cells.

## For Research Use Only

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Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

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Fax: 1-832-243-6017