

## SPECIFICATION SHEET

- Product Name:** Bone Glaprotein(BGP) Human Osteocalcin protein
- Catalog #:** L2K004
- Description:** Osteocalcin, also known as Bone-Gla-Protein (BGP), is a single chain (Mr=5800) vitamin K dependent protein produced by osteoblasts and found in high concentrations in bone. Post-translational modification by a vitamin K dependent carboxylase produces three g-carboxyglutamic acid residues at positions 17, 21 and 24.
- Linear Formula:**  $C_{266}H_{383}N_{67}O_{76}S_2$
- Molecular Weight:** 5.8KD
- Format:** Liquid, purified by HPLC
- Purification:** Purified, >95% (HPLC)
- Concentration& Lot.:** 1mg/ml **Lot:** L180701
- Buffer:** 10Mm PBS, pH 7.5
- Preservative:** None
- Applications:** Suitable for use in Immunoassays, Western blot and immunogen for antibody production. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
- Storage&Shelf life:** Store at -20 C for 3 years. Avoid multiple freeze/thaw cycles.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.