## 32-6357: FGF23 Human, Sf9

**Alternative Name :** Fibroblast growth factor 23, FGF-23, Phosphatonin, Tumor-derived hypophosphatemia-inducing factor, HYPF.

## Description

Source: Sf9, Insect cells.

Sterile filtered colorless solution.

FGF-23 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, tissue repair, morphogenesis, tumor growth and invasion. FGF-23 inhibits renal tubular phosphate transport. This gene was identified by its mutations associated with autosomal dominant hypophosphatemic rickets (ADHR), an inherited phosphate wasting disorder. a high level expression of FGF23 was found in oncogenic hypophosphatemic osteomalacia (OHO), a phenotypically similar disease caused by abnormal phosphate metabolism.

FGF23 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 236 amino acids (25-251a.a.) and having a molecular mass of 26.4kDa (Molecular size on SDS-PAGE will appear at approximately 13.5-18kDa).FGF23 is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | FGF23 protein solution (0.25mg/ml) containsPhosphate Buffered Saline (pH 7.4), 2mM DTT, 1mM EDTA and 10% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | ADPYPNASPL LGSSWGGLIH LYTATARNSY HLQIHKNGHV DGAPHQTIYS ALMIRSEDAGFVVITGVMSR RYLCMDFRGN IFGSHYFDPE NCRFQHQTLE NGYDVYHSPQ YHFLVSLGRAKRAFLPGMNP PPYSQFLSRR NEIPLIHFNT PIPRRHTRSA EDDSERDPLN VLKPRARMTPAPASCSQELP SAEDNSPMAS DPLGVVRGGR VNTHAGGTGP EGCRPFAKFI HHHHHH. |