

32-1202: FGF 23 C-term Recombinant Protein

Alternative Name : Tumor-derived hypophosphatemia-inducing factor, HYPF, ADHR, HPDR2, PHPTC, FGF23, FGF-23, Fibroblast Growth Factor-23.

Description

Source : E. coli FGF-23 C-term Protein is 8.67 kDa protein containing 72 amino acid residues and an additional 9 a.a. His-Tag at N-terminus. 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, morphogenesis, tissue repair, 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. Abnormally high level expression of FGF23 was found in oncogenic hypophosphatemic osteomalacia (OHO), a phenotypically similar disease caused by abnormal phosphate metabolism. Mutations FGF23 have also been shown to cause familial tumoral calcinosis with hyperphosphatemia.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by densitometric image analysis.
Content :	FGF-23 C-term was filtered (0.4µm) and lyophilized from 0.5 mg/ml supplied in 20mM TRIS and 50mM NaCl, pH 7.5.
Storage condition :	Store lyophilized FGF 23 C-term at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted FGF 23 C-term can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	MKHHHHHHAS AEDDSERDPL NVLKPRARMT PAPASCSQEL PSAEDNSPMA SDPLGVVRGG RVNTHAGGTG PEGCRPFAKF I.

Application Note

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.