

Recombinant Human FGF-23 protein(His Tag)

Catalog Number:PKSH034162



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

Description

Synonyms	FGFN
Species	Human
Expression Host	E.coli
Sequence	Tyr 25-Ile 251
Accession	Q9GZV9
Calculated Molecular Weight	26.3 kDa
Observed molecular weight	26 kDa
Tag	C-His
Bioactivity	Measure by its ability to induce proliferation in BaF3 cells transfected with human FGFRIIIc. The ED ₅₀ for this effect is < 0.3 µg/mL.

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Regulator of phosphate homeostasis. Inhibits renal tubular phosphate transport by reducing SLC34A1 levels. Up-regulates EGR1 expression in the presence of KL. Acts directly on the parathyroid to decrease PTH secretion. Regulator of vitamin-D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization.

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