

Recombinant Human FGF23 protein (SUMO,His tag)

Catalog Number:PDEH100192



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

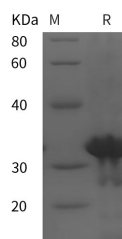
Description

Synonyms	FGF-23;Fgf23;ADHR;FGF23;fibroblast growth factor 23;HPDR2;HYPF;phosphatonin;PHPTC
Species	Human
Expression Host	E.coli
Sequence	Ala 24-Val 126
Accession	Q9GZV9
Calculated Molecular Weight	31.2 kDa
Observed molecular weight	32 kDa
Tag	N-SUMO-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
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 7.4. 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.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Fibroblast growth factor 23 (FGF²³) is a 30/32 kDa member of the FGF family, within a subfamily that also includes FGF¹⁹ and FGF²¹. FGF proteins contain a 120 amino acid (aa) core FGF domain that exhibits a beta ?trefoil structure. FGF¹⁹ subfamily members are highly diffusible molecules owing to their poor ECM/heparin sulfate binding and plasma?stabilizing intramolecular folds. FGF²³ is produced by osteocytes and osteoblasts in response to high circulating phosphate levels, elevated parathyroid hormone, and circulatory volume loading. It functions as an endocrine phosphatonin by suppressing circulating phosphate levels . FGF²³ interaction with renal proximal tubular epithelium decreases the renal resorption of phosphate by down?regulating phosphate transporters and by suppressing vitamin D

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Recombinant Human FGF23 protein (SUMO,His tag)

Catalog Number:PDEH100192



production. It also decreases the intestinal absorption of phosphate.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Tel: 1-832-243-6086

Fax: 1-832-243-6017

Web: www.elabscience.com

Email: techsupport@elabscience.com