Rev04
Update: Aug,20,2025

DATASHEET

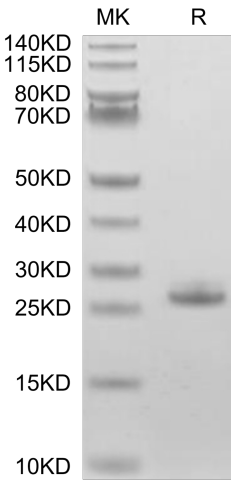
FGF21, His, Human

Cat. No.: Z05290

Product Introduction

Species	Human
Protein Construction	His — FGF21 (His29-Ser209) Accession # Q9NSA1-1 (N-term … C-term)
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	20.2 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 25-30 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

Examples



FGF21, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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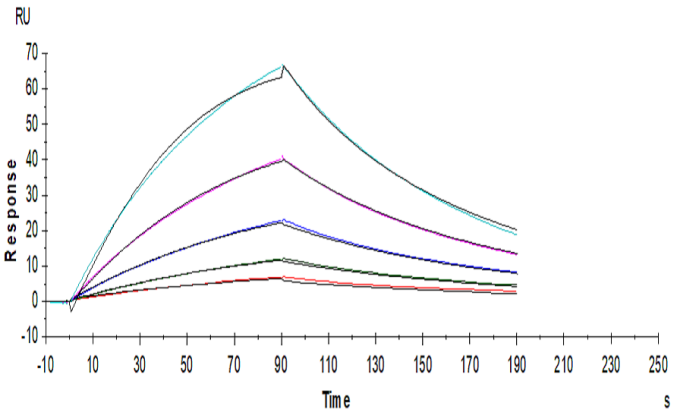

FGF21, His, Human, His Tag immobilized on CM5 Chip can bind Human Beta Klotho, His Tag with an affinity constant of 20nM as determined in a SPR assay (Biacore T200).

Background

Target Background : Fibroblast growth factor 21 (FGF21) is a peptide hormone that is synthesized by several organs and regulates energy homeostasis. Excitement surrounding this relatively recently identified hormone is based on the documented metabolic beneficial effects of FGF21, which include weight loss and improved glycemia.

Synonyms : UNQ3115; PRO10196; FGF-21; FGF21

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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