

Recombinant Human FGF-21 (N-6His)

Catalog No : PMK2201

Known As: Fibroblast Growth Factor 21; FGF-21; FGF21

PROPERTIES

Description	Recombinant Human Fibroblast Growth Factor 21 is produced by our E.coli expression system and the target gene encoding His29-Ser209 is expressed with a 6His tag at the N-terminus.
Accession	AAH18404.1
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 2mM EDTA, pH 9.0 .
Size	10μg/50μg/500μg/1mg
Purity	> 95%
Endotoxin	< 1 EU/μg as determined by LAL test.
Predicted Mol Mass	21.69 KDa
Apparent Mol Mass	23 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background	Fibroblast Growth Factor 21 (FGF21) is a growth factor that belongs to the FGF family. FGF family proteins play a central role during prenatal development and postnatal growth and regeneration of many tissues, by promoting cellular proliferation and differentiation. FGF21 is a potent activator of glucose uptake on adipocytes, protects animal from diet-induced obesity when overexpression in transgenic mice, and lower blood glucose and triglyceride levels when therapeutically administered to diabetic rodents. FGF21 is produced by hepatocytes in response to free fatty acid stimulation of a PPARα/RXR dimeric complex. This situation occurs clinically during starvation, or following the ingestion of a highly -fat/low-carbohydrate diet.Upon FGF21 secretion, white adipose tissue is induced to release free fatty acids from triglyceride stores.

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