重组人成纤维细胞因子(FGF-19)

Fibroblast growth factor 19(FGF-19),Human,Recombinant(C-6His)

Cat. No.: MA1379-1 Size: 10μg

Source: E.coli

Description: Recombinant Human Fibroblast Growth Factor 19 is produced by our E.coli expression system and the target gene encoding Phe27-Lys216 is expressed with a 6His tag at the N-terminus.

Accession: O95750

Known As: Fibroblast growth factor 19; FGF-19; FGF19

Predicted Mol Mass: 23.5 KDa

Apparent Mol Mass: 26 KDa, reducing conditions

Endotoxin: < 0.01 EU/μg as determined by LAL test.

Formulation: Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM EDTA, pH 8.0.

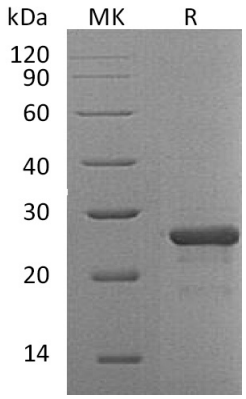
Reconstitution: Always centrifuge tubes before opening.Do not mix by vortex or pipetting.
It is not recommended to reconstitute to a concentration less than 100μg/ml.
Dissolve the lyophilized protein in distilled water.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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 19 (FGF19) is a secreted protein which belongs to the FGFs family. FGF19 is expressed in fetal brain, cartilage, retina, and adult gall bladder. FGFs modulate cellular activity via at least 5 distinct subfamilies of high-affinity FGF receptors (FGFRs): FGFR-1, -2, -3, and -4, all with intrinsic tyrosine kinase activity. FGFRs can be important for regulation of glucose and lipid homeostasis. FGF19 has important roles as a hormone produced in the ileum in response to bile acid absorption. It has been shown to cause resistance to diet-induced obesity and insulin desensitization and to improve insulin, glucose, and lipid profiles in diabetic rodents. FGF19 can be considered as a regulator of energy expenditure.

Purity-SDS-PAGE:



Greater than 95% as determined by reducing SDS-PAGE.

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