FGF-20 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Fibroblast Growth Factor-20, FGFK

Cat. No.:

RBG10144003	(3 µg)
RBG10144015	(15 µg)
RBG10144100	(100 µg)

Description

FGF-20 is a secreted heparin binding growth factor that is a member of the FGF family. Proteins of this family play a central role during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-20 signals through the FGFR 2c and 3c, and is expressed during limb and brain development. Recombinant Human FGF-20 is a 23.2 kDa protein containing 209 amino acid residues.

Research topic

Cardiovascular disease, Coronary artery disease, Oncology

Amino Acid Sequence

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PLAEVGGFLG GLEGLGQQVG SHFLLPPAGE RPPLLGERRS AAERSARGGP GAAQLAHLHG ILRRRQLYCR TGFHLQILPD
GSVQGTRQDH SLFGILEFIS VAVGLVSIRG VDSGLYLGMN DKGELYGSEK LTSECIFREQ FEENWYNTYS SNIYKHGDTG
RRYFVALNKD GTPRDGARSK RHQKFTHFLP RPVDPERVPE LYKDLLMYT
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Source

E. coli

Purity

90%

Biological Activity

The ED_{50} as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is 10 ng/ml, corresponding to a specific activity of 1×10^5 units/mg.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

-20°C

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