FGF-6 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Fibroblast Growth Factor-6, HBGF-6, HST-2

Cat. No.:

RBG10136005	(5 µg)
RBG10136025	(25 µg)
RBG10136100	(100 µg)

Description

FGF-6 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-6 is expressed in leukemia cell lines with platelet megakaryocytic differentiation potential. It signals through FGFR 1c, 2c, and 4. Recombinant Human FGF-6 is an 18.7 kDa protein consisting of 168 amino acid residues.

Research topic

Cardiovascular disease, Coronary artery disease

Amino Acid Sequence

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MGTRANNTLL DSRGWGTLLS RSRAGLAGEI AGVNWESGYL VGIKRQRRLY CNVGIGFHLQ VLPDGRISGT HEENPYSLLE
ISTVERGVVS LFGVRSALFV AMNSKGRLYA TPSFQEECKF RETLLPNNYN AYESDLYQGT YIALSKYGRV KRGSKVSPIM
TVTHFLPRI
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Source

E. coli

Purity

95%

Biological Activity

The ED_{50} as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is 0.5 ng/ml, corresponding to a specific activity of 2×10^6 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 ? 0.5 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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