

Active Recombinant Human FGF20 Protein

Cat. No. FGF20-033H Lot. No. (See product label)

SPECIFICATION

Product Overview The mature recombinant human FGF-20 protein consists of 211 amino acids (1-211) without tag was expressed in E. coli.

Species Human

Source E.coli

ProteinLength 1-211 a.a.

Description The protein encoded by this gene is a member of the fibroblast growth factor family. The fibroblast growth factors possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This gene product is a secreted neurotrophic factor but lacks a typical signal peptide. It is expressed in normal brain, particularly the cerebellum, and may regulate central nervous system development and function. Homodimerization of this protein was shown to regulate its receptor binding activity and concentration gradient in the extracellular matrix. Genetic variations of this gene have been associated with Parkinson disease susceptibility.

Bio-activity Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED50 for this effect is 0.2-1 ng/mL in the presence of 1 µg/mL of heparin.

Molecular Mass 24 kDa

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Product-Related Proteins	1-211
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS

GENE INFORMATION

Gene Name	FGF20 fibroblast growth factor 20 [Homo sapiens (human)]
Official Symbol	FGF20
Synonyms	FGF20; fibroblast growth factor 20; RHDA2; FGF-20; fibroblast growth factor 20
Gene ID	26281
mRNA Refseq	NM_019851
Protein Refseq	NP_062825
MIM	605558
UniProt ID	Q9NP95

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