

Active Recombinant Human FGF20 Protein

Cat. No. FGF20-331H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF20 was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is less than or equal to 10 ng/ml, corresponding to a specific activity of $> 1 \times 10^5$ units/mg.
Molecular Mass	23.2 kDa

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Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>90% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Resuspend the protein in the desired concentration in proper buffer

GENE INFORMATION

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

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