Active Recombinant Human FGF22 Protein

Cat. No. FGF22-035H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human FGF-22 protein consists of 148 amino acids (23-170) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	23-170 a.a.
Description	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members 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. The mouse homolog of this gene was found to be preferentially expressed in the inner root sheath of the hair follicle, which suggested a role in hair development. Alternative splicing results in multiple transcript variants.
Bio-activity	Measured in a cell proliferation assay using 4MBr-5 rhesus monkey epithelial cells. The ED50 for this effect is 50-300 ng/mL.
Molecular Mass	18 kDa
Product-Related Proteins	23-170

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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	FGF22 fibroblast growth factor 22 [Homo sapiens (human)]
Official Symbol	FGF22
Synonyms	FGF22; fibroblast growth factor 22; fibroblast growth factor 22; FGF-22
Gene ID	27006
mRNA Refseq	NM_020637
Protein Refseq	NP_065688
MIM	605831
UniProt ID	Q9HCT0

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