Active Recombinant Human FGF5 Protein

Cat. No. FGF5-039H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human FGF-5 protein consists of 243 amino acids (26-268) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	26-268 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. This gene was identified as an oncogene, which confers transforming potential when transfected into mammalian cells. Targeted disruption of the homolog of this gene in mouse resulted in the phenotype of abnormally long hair, which suggested a function as an inhibitor of hair elongation. Alternatively spliced transcript variants encoding different isoforms have been identified.
Bio-activity	Measured in a cell proliferation assay using NR6R3T3 mouse fibroblast cells. The ED50 for this effect is 2-10 ng/mL in the presence of 1 μg/mL of heparin.
Molecular Mass	27 kDa
Product-Related	26-268

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Proteins	
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	FGF5 fibroblast growth factor 5 [Homo sapiens (human)]
Official Symbol	FGF5
Synonyms	FGF5; fibroblast growth factor 5; HBGF-5; TCMGLY; Smag-82; fibroblast growth factor 5; heparin-binding growth factor 5
Gene ID	2250
mRNA Refseq	NM_004464
Protein Refseq	NP_004455
MIM	165190
UniProt ID	P12034

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