Active Recombinant Human FGF17 Protein

Cat. No. FGF17-030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human FGF-17 protein consists of 184 amino acids (23-216) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	23-216 a.a.
Description	This gene encodes a member of the fibroblast growth factor (FGF) family. Member of the FGF family 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 protein is expressed during embryogenesis and in the adult cerebellum and cortex and may be essential for vascular growth and normal brain development. Mutations in this gene are the cause of hypogonadotropic hypogonadism 20 with or without anosmia. Alternate splicing results in multiple transcript variants.
Bio-activity	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. The ED50 for this effect is 100-500 ng/mL, in the presence of 1 μg/mL heparin.
Molecular Mass	22.6 kDa
Product-Related Proteins	23-216

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	FGF17 fibroblast growth factor 17 [Homo sapiens (human)]
Official Symbol	FGF17
Synonyms	FGF17; fibroblast growth factor 17; HH20; FGF-13; FGF-17; This gene encodes a member of the fibroblast growth factor (FGF) family. Member of the FGF family 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 protein is expressed during embryogenesis and in the adult cerebellum and cortex and may be essential for vascular growth and normal brain development. Mutations in this gene are the cause of hypogonadotropic hypogonadism 20 with or without anosmia. Alternate splicing results in multiple transcript variants.
Gene ID	8822
mRNA Refseq	NM_003867
Protein Refseq	NP_003858
MIM	603725

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UniProt ID	O60258

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