

Recombinant Human FGF17 protein

Cat. No. FGF17-170H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF17 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	195
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.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 10 ng/ml, corresponding to a specific activity of $>1.0 \times 10^5$ IU/mg.
Molecular Mass	Approximately 22.6 kDa, a single non-glycosylated polypeptide chain containing 195 amino acids.

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AA Sequence	MTQGENHPSPNFNQYVRDQGAMTDQLSRRQIREYQLYSRTSGKHVQVTGRRISAT AEDGNKFAKLIVETDTFGSRVRIKGAESEKYICMNKRGLIGKPSGKSKDCVFTEIVL ENNYTAFQNARHEGWFMATRQGRPRQASRSRQNQREAHFIKRLYQGQLPFPNH AEKQKQFEFVGSAPTRRTKRTRRPQPLT
Endotoxin	Less than 0.1 EU/g of rHuFGF-17 as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	FGF17
Official Symbol	FGF17
Synonyms	FGF17; fibroblast growth factor 17; FGF 13; FGF-17; FGF-13;
Gene ID	8822
mRNA Refseq	NM_003867

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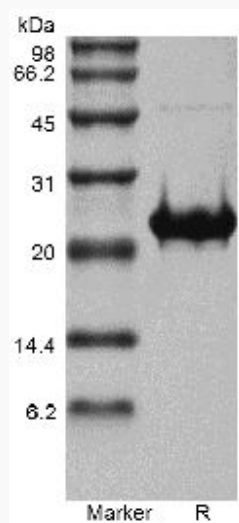
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Protein Refseq NP_003858

MIM 603725

UniProt ID O60258

**SDS-PAGE of FGF17-
170H**



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