

Recombinant Human FGF13

Cat. No. FGF13-27598TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FGF13 containing an N-terminal proprietary tag; Predicted MW 52.69 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	245 amino acids
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 is located in a region on chromosome X, which is associated with Borjeson-Forssman-Lehmann syndrome (BFLS), making it a possible candidate gene for familial cases of the BFLS, and for other syndromal and nonspecific forms of X-linked mental retardation mapping to this region. Alternative splicing of this gene at the 5' end results in several transcript variants encoding different isoforms with different N-termini.
Molecular Weight	52.690kDa inclusive of tags
Tissue specificity	Nervous system.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAAAIASSLIRQKRQAREREKSNACKCVSSPSKGKTSCDK NKLNVFSRVKLFSGSKK RRRRRPEPQLKGIATKLYSRQGYH LQLQADGTIDGTDKEDSTYTLFNLIPVGLRVVAI QGVQTK LYLAMNSEGYLYTSELFTECKFKESVFENYYVTYSSMIY RQQQSGRGW YLGLNKEGEIMKGDHVKKNKPAAHFLPKPLK VAMYKEPSLHDLTEFSRSGSGTPTK SRSVSGVLNNGKSMS HNEST
Sequence Similarities	Belongs to the heparin-binding growth factors family.

GENE INFORMATION

Gene Name	FGF13 fibroblast growth factor 13 [Homo sapiens]
Official Symbol	FGF13
Synonyms	FGF13; fibroblast growth factor 13; FGF2; FHF2; fibroblast growth factor homologous factor 2;
Gene ID	2258
mRNA Refseq	NM_001139498
Protein Refseq	NP_001132970

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MIM	300070
Uniprot ID	Q92913
Chromosome Location	Xq26.3
Pathway	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Melanoma, organism-specific biosystem; Melanoma, conserved biosystem; Pathways in cancer, organism-specific biosystem;
Function	growth factor activity; protein kinase activator activity;

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