Active Recombinant Human FGF13 Protein (Met1-Thr245), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF13-106H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF13 Protein (Met1-Thr245) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Met1-Thr245
Description	Fibroblast Growth Factors-13 (FGF-13) is a 27.6 kDa member of the fibroblast Growth Factors with 245 amino acid residues. FGF-13 is mainly expressed from brain, parathyroid gland, skeletal muscle, tongue, neurons. FGF13 is a microtubule-stabilizing protein that regulates neuronal polarization and migration. May regulate voltage-gated sodium channels transport and function.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 160 ng/mL.
Molecular Mass	The protein has a calculated MW of 28.37 kDa. The protein migrates as 30 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

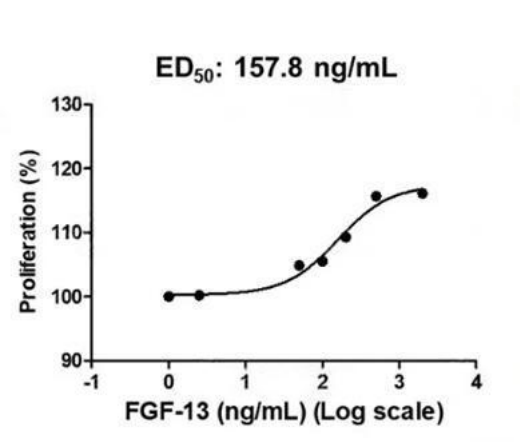
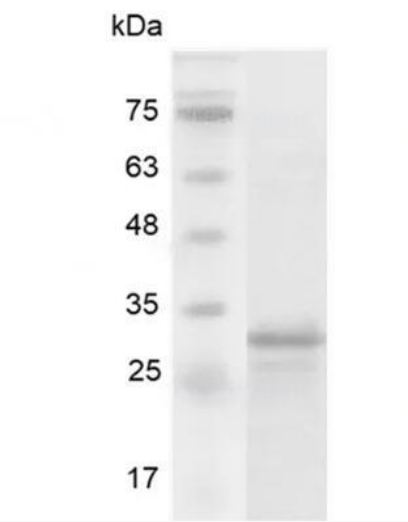
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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	FGF13 fibroblast growth factor 13 [Homo sapiens (human)]
Official Symbol	FGF13
Synonyms	FGF13; fibroblast growth factor 13; FGF2; FHF2; fibroblast growth factor homologous factor 2; FHF-2; FGF-13;
Gene ID	2258
mRNA Refseq	NM_004114
Protein Refseq	NP_004105

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MIM	300070
UniProt ID	Q92913
Activity	 Human FGF-13, His Tag, E. coli (LDG078PHE) induced 3T3 cell proliferation, with the ED50 at 157.8 ng/mL.
SDS-PAGE analysis of recombinant human FGF-13.	

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