

Rev04  
Update: Feb,23,2022

**DATASHEET**

# FGF-13, Human

Cat. No.: Z02936

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<b>FGF-13 (Met1-Thr245) Accession # Q92913</b>
<b>Purity</b>	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
<b>Endotoxin Level</b>	< 1 EU/μg of protein by LAL method
<b>Expression System</b>	E. coli
<b>Theoretical Molecular Weight</b>	27.6 kDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution in 20 mM Tris, pH 8.5, 500 mM NaCl.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** Fibroblast growth factor 13 (FGF13) is a new member of the fibroblast growth factor (FGF) family. They 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. FGF-13 was initially identified as FHF2 along with three other FHF factors, FHF1/FGF12, FHF3/FGF-11 and FHF4/FGF14 that comprise a unique intracellular FGF (iFGF) subfamily expressed throughout the developing and adult nervous system. Human FGF13 stimulated the phenotypic differentiation of cortical neurons. FGF13 interacts with voltage-gated sodium channel alpha subunit, and colocalizes at the nodes of Ranvier of dorsal root axons. The mechanism of action for FGF13 in neural development has not been described in detail.

**Synonyms :** Fibroblast growth factor 13; Fibroblast growth factor homologous factor 2; FHF-2; FGF13; FHF2

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