

FGF-13 (Fibroblast growth factor-13), Human

v. 231001

Catalog number	C01104-5UG / C01104-20UG / C01104-100UG
Package	5 µg / 20 µg / 100 µg
Description	Fibroblast growth factor 13 (FGF13) is a new 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. FGF-13 plays an important role in the regulation of embryonic development and as a signaling molecule in the induction and patterning of the embryonic brain.
Source	<i>Escherichia coli</i>
Sequence	MAAAIASSLIRQKRQAREREKSNACKCVSSPSKGTSCDKNKLNVFSRVKLFG SKKRRRRRPEPQLKGIVTKLYSRQGYHLQLQADGTIDGTDKEDSTYTLFNLIPV GLRVVAIQGVQTKLYLAMNSEGYLTSELFPECKFKESVFENYYVTYSSMIYR QQQSGRGWYLGLNKEGEIMKGNHVKKNKPAAHFLPKPLKVAMYKEPSLHDLT EFSRSGSGTPTKRSVSGVLNNGKSMHNEST with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <160 ng/mL.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
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 H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human FGF-13

For research use only.