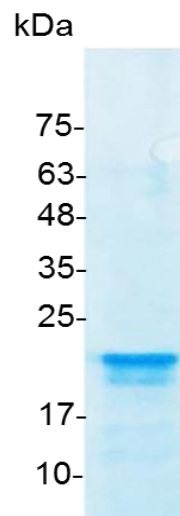


FGF-18 (Fibroblast growth factor-18), Human

v. 231001

Catalog number	C01108-5UG / C01108-20UG / C01108-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>FGF-18 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. FGF-18 is required for normal skeletal development. It recruits osteoclasts and osteoblasts to the growth plate, promotes osteoclast formation and function, inhibits osteoblast differentiation, promotes skeletal vascularization, and induces chondrocyte hypertrophy and cartilage matrix formation.</p>
Source	<i>Escherichia coli</i>
Sequence	<p>MAEENVDFRIHVENQTRARDDVSRKQLRLYQLYSRTSGKHIQVLGRRISARGE DGDKYAQLLVETDTFGSQVRIKGETEFYLCMNRKGLVGPDPGTSKECVFIE KVLNNYTALMSAKYSGWYVGFTKKGRPRKGPKTRENQQDVHFMKRYPKGQ PELQKPFKYTTVTKRSR with polyhistidine tag at the C-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	<p>Measure by its ability to induce 3T3 cells proliferation. The ED₅₀ for this effect is 1.3-2.0 ng/mL. The specific activity of recombinant human FGF-18 is > 5 x 10⁵ IU/mg.</p>
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	<p>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.</p>
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human FGF-18

For research use only.