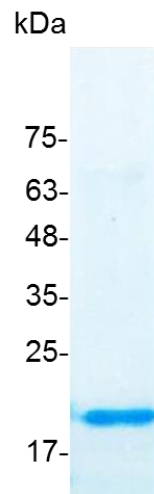


FGF-6 (Fibroblast growth factor-6), Human

v. 231001

Catalog number	C01096-5UG / C01096-20UG / C01096-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>FGF-6 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-6 is upregulated in injured skeletal muscle and is required for muscle regeneration. FGF-6 inhibits the terminal differentiation of myoblasts and also cooperates with TGF-beta 2 to promote chondrogenesis in embryonic somites.</p>
Source	<i>Escherichia coli</i>
Sequence	<p>MGTRANNTLLDSRGWGTLLSRSRAGLAGEIAGVNWESGYLVGIKRQRRLYCN VGIGFHLQVLPDGRISGTHEENPYSLLISTVERGVVSLFGVRSALFVAMNSKG RLYATPSFQEECKFRETLLPNNYNAYESDLYQGTYIALSKYGRVKRGSKVSPIM TVTHFLPRI with polyhistidine tag at the C-terminus</p>
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 <0.1 ng/mL. The specific activity of recombinant human FGF-6 is > 1 x 10 ⁷ IU/mg
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
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 2 weeks under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human FGF-6

For research use only.