

# FGFA

Catalog # PVGS1243

## Product Information

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<b>Primary Accession</b>	<a href="#">O15520</a>
<b>Species</b>	Human
<b>Sequence</b>	MNHKVVHHHH HMDDDDKMLG QDMVSPEATN SSSSSFSSPS SAGRHVRSYN HLQGDVRWRK LFSFTKYFLK IEKNGKVSGT KKENCYPYSIL EITSVEIGVV AVKAINSYY LAMNKKGKLY GSKEFNNDCK LKERIEENGY NTYASFNWQH NGRQMYVALN GKGAPRRGQK TRRKNTSAHF LPMVVHS
<b>Purity</b>	> 95% by SDS-PAGE analysis.
<b>Endotoxin Level</b>	
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O at 100 µg/mL.

## Additional Information

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<b>Gene ID</b>	2255
<b>Other Names</b>	Fibroblast growth factor 10, FGF-10, Keratinocyte growth factor 2, FGF10
<b>Target Background</b>	<p>Fibroblast Growth Factor-10 (FGF-10) is a mitogen mainly produced by mesenchymal stem cells in lung. FGF-10 belongs to the heparin binding FGF family, and is also known as Keratinocyte Growth Factor-2 (KGF-2). It shares the homolog and receptor FGFR2-IIIb with KGF. However, unlike KGF which induces the proliferation and differentiation of various epithelial cells, FGF-10 is an essential factor for the budding and branching morphogenesis during the multi-organ development via the instructive mesenchymal-epithelial interactions. FGF-10 is crucial for lung and limb development, and is regulated by Shh during early development.</p> <p>Recombinant human Fibroblast Growth Factor-10 (rhFGF-10) with N-terminal His-tag produced in E. coli is a single non-glycosylated polypeptide chain containing 187 amino acids. A fully biologically active molecule, rhFGF-10 has a molecular mass of 21.4 kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at .</p>

## Protein Information

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<b>Name</b>	FGF10
<b>Function</b>	Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. Required for normal branching morphogenesis. May play a role in wound healing.

**Cellular Location**

Secreted.

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