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FGFA

Catalog # PVGS1243

Product Information

Primary Accession	O15520
Species	Human
Sequence	MNHKVHHHHH HMDDDDKMLG QDMVSPEATN SSSSSFSSPS SAGRHVRSYN HLQGDVRWRK LFSFTKYFLK IEKNGKVSGT KKENCPYSIL EITSVEIGVV AVKAINSNYY LAMNKKGKLY GSKEFNNDCK LKERIEENGY NTYASFNWQH NGRQMYVALN GKGAPRRGQK TRRKNTSAHF LPMVVHS
Purity	> 95% by SDS-PAGE analysis.
Endotoxin Level	
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH_2O at 100 g/mL.

Additional Information

Gene ID	2255
Other Names	Fibroblast growth factor 10, FGF-10, Keratinocyte growth factor 2, FGF10
Target Background	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. 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 .

Protein Information

Name	FGF10
Function	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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