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FGF-10

Catalog # PVGS1475

Product Information

Primary Accession	O15520
Species	Human
Sequence	Leu40-Ser208
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	
Expression System	E. coli
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O up to 100 □g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

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 the lung. FGF-10 belongs to the heparin binding FGF family, and is also known as Keratinocyte Growth Factor-2 (KGF-2). It shares homology with KGF and receptor binding to FGFR2-IIIb. However, while KGF induces proliferation and differentiation of various epithelial cells, FGF-10 promotes budding and branching morphogenesis during the multi-organ development via mesenchymal-epithelial cell interactions. FGF-10 is critical for lung and limb development, and is regulated by Shh during early development.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.