

KGF/FGF-7 Protein, Human (163a.a, His)

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| Cat. No.: | HY-P78164 |
| Synonyms: | FGF-7; HBGF-7; KGF |
| Species: | Human |
| Source: | E. coli |
| Accession: | P21781 (C32-T194) |
| Gene ID: | 2252 |
| Molecular Weight: | Approximately 20.1 kDa |

PROPERTIES

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| Appearance | Solution. |
| Formulation | Supplied as a 0.22 µm filtered solution of 50 mM Tris, 250 mM NaCl, pH 7.5. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | N/A. |
| Storage & Stability | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. |
| Shipping | Shipping with dry ice. |

DESCRIPTION

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| Background | KGF/FGF-7 Protein assumes a crucial role in orchestrating embryonic development, exhibiting regulatory control over fundamental processes encompassing cell proliferation and differentiation. Its essential contribution extends to the intricate realm of normal branching morphogenesis, where KGF/FGF-7 plays a pivotal role. As a growth factor specifically active on keratinocytes, it emerges as a potential major paracrine effector governing normal epithelial cell proliferation. The protein establishes key interactions, forming complexes with FGFBP1 and FGFR2, and its binding affinity with fibroblast growth factors (FGFs) and their receptors is augmented by heparan sulfate glycosaminoglycans, acting as critical coreceptors in these molecular interactions. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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