

Catalog Number: HZ-1100

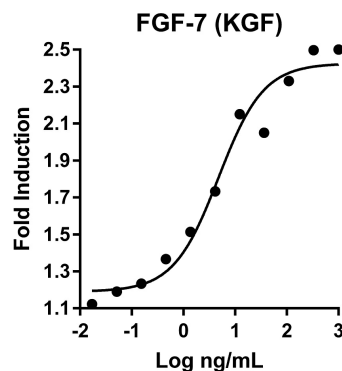
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

|                |   |
|----------------|---|
| Species        | Human   |
| Expression     | HEK293  |
| Activity       | Typically $\leq 7.5$ ng/mL EC50                 |
| Purity         | >95%  |
| Endotoxin      | <1 EU/ $\mu$ g                                  |
| Molecular Mass | 17 and 30 kDa, monomer, glycosylated            |
| Formulation    | 1x PBS, See Certificate of Analysis for details |
| Gene ID        | 2252  |



The activity was determined by the dose-dependent stimulation of the proliferation of 4MBr-5 cells (monkey epithelial cell line) using Promega CellTiter96<sup>®</sup> Aqueous Non-Radioactive Cell Proliferation Assay.

## Reconstitution Buffer

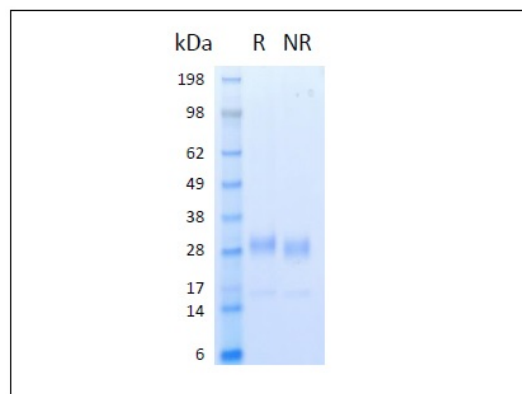
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1x PBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

## Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

## Product Description

Animal-free Recombinant Human FGF-7 (KGF) is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 17 and 30 kDa. FGF-7 appears to act on epithelial cells. It also seems to motivate and stimulate proliferation, migration, and differentiation of these cells. It plays a significant role in development, morphogenesis, wound healing, angiogenesis, and tumorigenesis. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Authentic glycosylation contributes to stability in cell growth media and other applications.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. R represents reducing conditions and NR represents non-reducing conditions.

## Synonyms

Keratinocyte Growth Factor, Fibroblast Growth Factor-7, HBGF-7, FGF7, FGF 7, KGF, Fibroblast Growth Factor 7, Fibroblast Growth Factor7, HBGF-7, FGF-7 (KGF)

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

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