

Recombinant Human FGF-7 (KGF)

Catalog Number: HZ-1100

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species: human	Purity: >95%	Formulation: 1x PBS, See Certificate of Analysis for details
Expression: HEK293	Endotoxin: <1 EU/μg	Gene ID: 2252
Activity: Typically ≤ 7.5 ng/mL EC50	Molecular Mass: 17 and 30 kDa, monomer, glycosylated	

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.

Background

Fibroblast growth factor 7 (FGF-7), also known as keratinocyte growth factor (KGF), belongs to the FGF family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion (PMID 11276432, 15863033). FGF-7 is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes (PMID 15327889).

Synonyms

FGF 7, FGF7, FGF-7, Fibroblast growth factor 7, HBGF 7, Keratinocyte growth factor, KGF

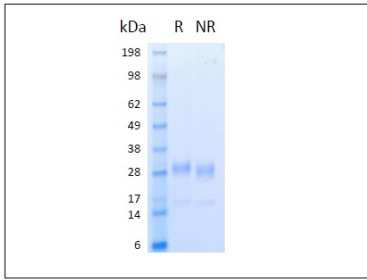
For technical support and original validation data for this product please contact:

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

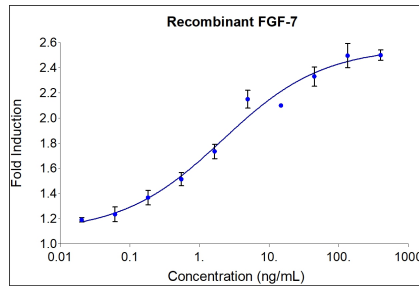
E: proteintech@ptglab.com
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Selected Validation Data



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.



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