

TECHNICAL DATA SHEET

## Recombinant Mouse KGF (FGF-7) (Carrier-free)

Catalog Number: 21-9221

**RPx-Pro™ Recombinant Protein**  
PRODUCT INFORMATION

**CONTENTS**

Recombinant Mouse KGF (FGF-7) (Carrier-free)

**DESCRIPTION**

KGF (keratinocyte growth factor), also known as FGF-7 (fibroblast growth factor-7), is a member of the mouse FGF family of secreted proteins. Proteins of this family play key roles in development, morphogenesis, angiogenesis, wound healing, and tumorigenesis. KGF (FGF-7) is a mitogen factor specific for epithelial cells and keratinocytes and signals through FGFR 2b. Recombinant Mouse KGF (FGF-7) is an 18.8 kDa protein consisting of 163 amino acid residues.

**MOLECULAR MASS**

18.8 kDa

**AMINO ACID SEQUENCE**

CNDMSPEQTA TSVNCSSPER HTRSYDMEG GDIVRRLFC RTQWYLRIK RGKVKGTQEM KNSYNIMEIR TVAVGIVAIAK GVESEYYLAM NKEGKLYAKK ECNEDCNFKE LILENHNTY ASAKWTHSGG EMFVALNQKG IPVKGKTKK EQKTAHFLPM AIT

**SOURCE**

E. coli

**APPLICATIONS**

Bioassay

**PURITY**

95 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/µg of protein (<1 EU/µg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

N/A

**BIOACTIVITY**

Determined by a cell proliferation assay using 4MBr-5 cells. The expected ED50 for this effect is 0.5-5.0 ng/ml

**RESEARCH AREAS**

Angiogenesis/Cardiovascular, FGF Superfamily, Immune System, Stem Cells & Differentiation, Wound Healing

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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