

TECHNICAL DATA SHEET

Recombinant Mouse FGF-10 (Carrier-free)

Catalog Number: 21-9218

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Mouse FGF-10 (Carrier-free)

DESCRIPTION

FGF-10 is a member of the fibroblast growth factor family and belongs to the FGF-7 subfamily. It is a heparin-binding growth factor that plays a central role during prenatal development, postnatal growth, and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-10 knockout mice die at birth due to their lack of lung and limb formation. Recombinant Mouse FGF-10 is a 17.0 kDa protein consisting of 148 amino acid residues.

MOLECULAR MASS

17 kDa

AMINO ACID SEQUENCE

SSAGRHVRSY NHLQGDVRRWR RLFSFTKYFL TIEKNGKVSG TKNEPCYYSV LEITSVEIGV VAVKAINSNY YLAMNKKGKL YGSKEFNDC KLKERIEENG YNTYASFNWQ HNGRQMYVAL NGKGAPRRGQ KTRRKNTSAH FLPMTIQT

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 dose-dependent ability to reduce tetrazolium salt, WST-8, by dehydrogenase activities of BaF3 cells expressing FGF receptors using Cell Counting Kit-8 (CCK-8).

RESEARCH AREAS

Angiogenesis/Cardiovascular, Bone/Skeletal/Cartilage, Cancer, FGF Superfamily, Immune System, Inflammation, Neurobiology, Organoids, 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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