

**TECHNICAL DATA SHEET**

# Recombinant Human FGF-10 (Carrier-free)

Catalog Number: 21-7054

**RPx-Pro™ Recombinant Protein**

**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human FGF-10 (Carrier-free)

**DESCRIPTION**

FGF-10 is a member of the Fibroblast Growth Factor (FGF) family of proteins that play a central role in embryonic development, cell growth and cell differentiation.

**MOLECULAR MASS**

Recombinant human FGF-10 is a 19.3 kDa protein consisting of 170 amino acid residues.

**AMINO ACID SEQUENCE**

MLGQDMVSPE ATNSSSSSFS SPSSAGRHRV SRYNHLQGDVR WRKLFSTFKY FLKIEKNGKV SGTKKENCPY SILEITSVEI GVVAVKAINS  
NYYLAMNKKG KLYGSKEFNN DCKLKERIEE NGYNTYASFN WQHNGRQMYV ALNGKGAPRR GQKTRRKNNTS AHFLPMVVHS

**SOURCE**

E. coli

**APPLICATIONS**

Bioassay

**PURITY**

95 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE

**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**

Chicken, Mouse

**BIOACTIVITY**

The ED<sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF- receptors is ≤ 0.5 ng/ml, corresponding to a specific activity of ≥ 2 x 10<sup>6</sup> units/mg.

**RESEARCH AREAS**

Angiogenesis/Cardiovascular; FGF Superfamily; Proliferation; Stem Cells & Differentiation; Wound Healing

**RECONSTITUTION**

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

**REFERENCES**

Benjamin JT, Carver BJ, Plosa EJ, Yamamoto Y, Miller JD, Liu JH, van der Meer R, Blackwell TS, Prince LS. 2010. J Immunol. 185(8): 4896-4903. McQualter JL, McCarty RC, Van der Velden J, O'Donoghue RJ, Asselin-Labat ML, Bozinovski S, Bertonecello I. 2013. Stem Cell Res. 11(3): 1222-1233.

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