

TECHNICAL DATA SHEET

Recombinant Human FGF-6 (Carrier-free)

Catalog Number: 21-7051

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human FGF-6 (Carrier-free)

DESCRIPTION

FGF-6 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. FGF-6 is expressed in leukemia cell lines with platelet megakaryocytic differentiation potential.

MOLECULAR MASS

Recombinant human FGF-6 is an 18.7 kDa protein consisting of 168 amino acid residues

AMINO ACID SEQUENCE

MGTRANNTLL DSRGWGTTLS RSRAGLAGEI AGVNWESGYL VGIKRQRRLY CNVGIGFHLQ VLPDGRISGT HEENPYSLLE
ISTVERGVVS LFGVRSALFV AMNSKGRLYA TPSFQEECKF RETLLPNNYN AYESDLYQGT YIALSKYGRV KRGSKVSPIM TVTHFLPRI

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

BIOACTIVITY

The ED₅₀ 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 10¹⁰ units/mg.

RESEARCH AREAS

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

RECONSTITUTION

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

REFERENCES

deLapeyrière O, Ollendorff V, Planche J, Ott MO, Pizette S, Coulier F, Birnbaum D. 1993. Development. 118(2): 601-611. Coulier F, Pizette S, Ollendorff V, deLapeyrière O, Birnbaum D. 1994. Prog Growth Factor Res. 5(1): 1-14.

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