

FGF-4, human recombinant

CATALOG #:	4043-25	25 µg
	4043-100	100 µg
	4043-1000	1 mg
	4043-5000	5 mg

SOURCE: *E. coli*

PURITY: > 98% by SDS-PAGE
Endotoxin level is <0.01 ng per µg of rh-FGF-4.

MOL. WEIGHT: 19 kDa

FORM: Lyophilized from a sterile solution containing 10 mM Sodium phosphate buffer and 75 mM NaCl.

RECONSTITUTION:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

STORAGE CONDITIONS:

The lyophilized human FGF-4 is very stable at -20 °C. Upon reconstitution the material should be aliquoted and frozen at -20 °C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

DESCRIPTION:

Fibroblast Growth Factor 4 (FGF-4) is a growth factor predominantly expressed during embryonic development, playing a key role in limb development. In culture, FGF-4 has been shown to be an important growth factor for fibroblasts and endothelial cells. Human FGF-4 shares high homology and cross-reactivity with the mouse protein. Recombinant human FGF-4, produced in *E.coli*, is a non-glycosylated protein containing 177 amino acids and having a total molecular mass of 19 kDa.

BIOLOGICAL ACTIVITY:

Recombinant human FGF-4 has full biological activity when compared standards. The ED₅₀, as determined by its ability to induce the proliferation of mouse NR6R-3T3 fibroblasts, is typically 0.25-1.25 ng/ml.

Amino Acid Sequence:

MAPTAPNGTL EAELERRWES LVALSLARLP VAAQPKEAAV QSGAGDYLLG IKRLRRLYCN
VGIGFHLQAL PDGRIGGAHA DTRDSLLELS PVERGVVSIF GVASRFFVAM SSKGKLYGSP
FFTDECTFKE ILLPNNYNAY ESYKYPGMFI ALSKNGKTKK GNRVSPTMKV THFLPRL

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- FGF- basic, murine recombinant (Cat # 7145-10, -50)
- Human Cell^{exp} Human Recombinant FGF-4 (Cat # 6449-10, -50)
- Human Cell^{exp} Human Recombinant FGF-7 (Cat # 6450-10, -50)
- Human Cell^{exp} Human Recombinant FGF-8b (Cat # 6451-10, -50)
- FGF- basic 147, human recombinant (Cat # 4036-10, -50, -1000)
- FGF-1, human recombinant (Cat # 4034-10, -50, -1000)
- FGF-1, murine recombinant (Cat # 4035-10, -50, -1000)
- FGF-10/KGF-2, human recombinant (Cat # 4060-25, -100, -1000)
- FGF-18, human recombinant (Cat # 4082-25, -100, -1000)
- FGF-19, human recombinant (Cat # 4542-25, -100, -1000)
- FGF-2, bovine recombinant (Cat # 4040-10, -50, -1000)
- FGF-2, human recombinant (Cat # 4037-10, -50, -1000)
- FGF-2, murine recombinant (Cat # 4038-10, -50, -1000)
- FGF-2, rat recombinant (Cat # 4039-10, -50, -1000)
- FGF-20, human recombinant (Cat # 4589-20, -100)
- FGF-21, human recombinant (Cat # 4066-100, -1000)
- FGF-21, murine recombinant (Cat # 4067-10, -1000)
- FGF-22, human recombinant (Cat # 4063-10, -100, -1000)
- FGF-4, human recombinant (Cat # 4043-25, -100, -1000)
- FGF-7/KGF, human recombinant (Cat # 4050-10, -50, -1000)
- FGF-8, human recombinant (Cat # 4053-25, -100, -1000)
- FGF-9, human recombinant (Cat # 4056-20, -1000)