

Product Datasheet

Recombinant FGF-4, Human (orb1494879)

Description	Fibroblast Growth Factor-4 (FGF-4) also known as K-FGF is a heparin-binding growth factor of the FGF family. It was identified by its oncogenic transforming activity. FGF-4 and FGF-3 are located closely on chromosome 11. FGF-4 and its receptors (FGF R1c, 2c, 3c and 4) play an important role in the regulation of embryonic development, cell proliferation, and cell differentiation. FGF-4 is required for normal limb and cardiac valve development during embryogenesis. Recombinant human Fibroblast Growth Factor-4 (rhFGF-4) produced in E.coli is a single non-glycosylated polypeptide chain containing 177 amino acids. A fully biologically active molecule obtained by proprietary chromatographic techniques at GenScript, rhFGF-4 has a molecular mass of 19.4kDa as analyzed by reducing SDS-PAGE.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against 50mM HEPES, 750mM NaCl, pH 7.5.
Form/Appearance	Lyophilized after extensive dialysis against 50mM HEPES, 750mM NaCl, pH 7.5.
Storage	Lyophilized recombinant human Fibroblast Growth Factor-4 (rhFGF-4) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rhFGF-4 should be stable up to 2 weeks at 4°C or up to 3 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O at 100 μg/ml.
Protein Sequence	MAPTAPNGT LEAELERRWE SLVALSLARL PVAAQPKEAA VQSGAGDYLL GIKRLRRLYC NVGIGFHLQA LPDGRIGGAH ADTRDSLLEL SPVERGVVSI FGVASRFFVA MSSKGKLYGS PFFTDECTFK EILLPNNYNA YESYKYPGMF IALSKNGKTK KGNRVSPTMK VTHFLPRL
Purity	> 95% by SDS-PAGE and HPLC analyses.
Source	Escherichia coli.
MW	19.4kDa, observed by reducing SDS-PAGE.

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Expiration Date

6 months from date of receipt.

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