

Overview

Synonyms	Fibroblast Growth Factor-17, FGFH
Description	Fibroblast Growth Factor-17 (FGF-17) is a heparin binding growth factor that is a member of the FGF family. Proteins of this family play multiple roles in biological functions, including angiogenesis, mitogenesis, cell differentiation and wound repair. FGF-17 plays an important role in organizing and inducing specific patterning at the midbrain/hindbrain junction. FGF-17 is also expressed in the hindgut, parts of the developing skeleton, tail bud, major arteries, and heart. FGF-17 signals through hFGFR1c, 2c, 3c, and 4. FGF-17 signals induce patterning of the embryonic brain. Recombinant Human FGF-17 produced in <i>E. coli</i> is a single non-glycosylated polypeptide chain containing 195 amino acids. A fully biologically active molecule rhFGF-17 has a molecular mass of 22.6 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
Accession No	O60258
Source	<i>E. coli</i>
Biological Activity	ED ₅₀ < 0.5 ng/mL, measured by the cell proliferation assay using Balb/c3T3 cells, corresponding to a specific activity of >2 × 10 ⁶ units/mg.
Sequence	MTQGENHPSP NFNQYVRDQG AMTDQLSRRQ IREYQLYSRT SGKHVQVTGR RISATAEDGNKFAKLIVETD TFGSRVRIKG AESEKYICMN KRGKLGKPS GKSKDCVFTE IVLENNYTAFQONARHEGWFM AFTRQGRPRQ ASRSRQNRQRE AHFIKRLYQG QLPFPNHAEK QKQFEFVGSAPTRRTKRTRR PQPLT

Properties

Measured Molecular Weight	22.6 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant Human Fibroblast Growth Factor-17 (FGF-17) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution Human FGF-17 should be stable up to 1 week at 4°C or up to 3 months at -20°C.
Note	For research use only

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura,
Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: customerservice@lifetechindia.com

Web: www.lifetechindia.com