

Product Datasheet

Recombinant FGF-8, Human (orb1494877)

Description	Fibroblast Growth Factor-8 (FGF-8) is a heparin-binding growth factor of the FGF family. There are 4 known forms of FGF8 produced by alternative splicing: FGF8a, FGF-8b, FGF-8e and FGF-8f. The human and mouse FGF8b are identical of aa sequences. FGF-8 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. FGF-8 is required for normal brain, eye, ear and limb development during embryogenesis. It is also required for normal development of the gonadotropin- releasing hormone (GnRH) neuronal system. Recombinant human Fibroblast Growth Factor-8 (rhFGF-8) produced in E.coli is a single non-glycosylated polypeptide chain containing 194 amino acids. A fully biologically active molecule, rhFGF-8 has a molecular mass of 22.5kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at GenScript.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant human Fibroblast Growth Factor-8 (rhFGF-8) remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rhFGF-8 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 ddH ₂ O at 100 μg/ml.
Protein Sequence	MQVTVQSSPN FTQHVREQLS VTDQLSRRLI RTYQLYSRTS GKHVQVLANK RINAMAEDGD PFAKLIVETD TFGSRVRVRG AETGLYICMN KKGKLIKSN GKGKDCVFTE IVLENNYTAL QNAKYEGWYM AFTRKGRPRK GSKTRQHQR VHFMKRLPRG HHTTEQSLRF EFLNYPPFTR SLRGSQRTWA PEPR
Purity	> 95% by SDS-PAGE and HPLC analyses.
Source	Escherichia coli.

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

MW 22.5kDa, observed by reducing SDS-PAGE.

Expiration Date 6 months from date of receipt.

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7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)