

## Recombinant human FGF-8b protein (Qk057-CTG)



**Type:** Cell Therapy Grade

**Available for purchase:** Unit Size (µg): 25, 50, 100, 500, 1000

Buy online with secure credit card or purchase order.

[View this product and buy online](#)

### Product Information

Fibroblast growth factor 8b (FGF-8b) is a member of the [FGF family](#) involved in the regulation of embryogenesis, cellular proliferation, differentiation, and migration. FGF-8b is commonly used for the differentiation of induced pluripotent stem cells into neural cell types and brain [organoid](#) cultures. FGF-8b is a spliced form of FGF-8, a heparin-binding protein that targets mammary and non-mammary cells expressing the FGF receptors.

Qkine FGF-8a is a 22.5 kDa highly pure, bioactive recombinant protein produced in an [animal origin-free](#) expression system. This protein is carrier-free, tag-free and non-glycosylated to ensure a pure, homogenous protein with exceptional lot-to-lot consistency, suitable for cell therapy development.

Qkine [cell therapy grade](#) high purity animal origin-free proteins are manufactured as GMP grade equivalents in an ISO 9001:2015-certified facility, under ISO 20399:2022 standards with GMP compliance, defined quality criteria and documentation.

**This product is available to order now and will be in stock soon, please contact us for the estimated lead time**

[ryan.weber@matriq.com](mailto:ryan.weber@matriq.com)

### Alternative protein names

AIGF, AIGFKAL6, Androgen-induced growth factor, FGF8, FGF-8, Fibroblast Growth Factor - 8, HBGF-8, Heparin Binding Growth Factor - 8, MGC149376, FGF8b, FGF 8b, Qk57, FGF-8 GMP

### Molecular weight

22.5 kDa

## Protein Uniprot number

High purity human FGF-8b protein (Uniprot: P55075)

## Species reactivity

- human
- species similarity:
- mouse - 100%

## Product Information

- Certified animal origin-free (AOF)
- Cell and gene therapy grade
- Manufactured in our ISO 9001:2015 facility in Cambridge, UK
- Lot-to-lot consistency in bioactivity
- Full traceability and documentation
- Carrier protein-free, tag free
- Expressed in *E. coli*
- Lyophilized from Tris, NaCl, CyS, mannitol

## Reconstitution instructions

- Resuspend in sterile-filtered water at >50 µg/ml

## Featured applications

- Pluripotent stem cell therapy
- Neural stem cell (NSC) therapy
- Regenerative stem cell therapy

## Further quality assays

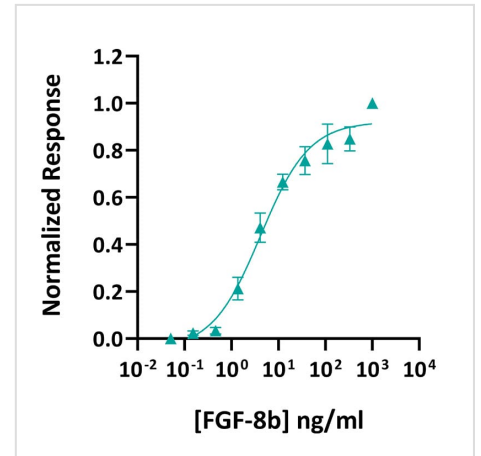
- Mass spectrometry: single species with expected mass
- Purity >98%, by SDS-PAGE quantitative densitometry
- Recovery from stock vial: >95%
- Sterility tested and mycoplasma negative
- Endotoxin: <0.05 EU/µg protein
- Residual host cell protein <10 ng/µg

- Residual host cell DNA <10 ng/μg
- N-terminal sequence analysis

## Scientific Information

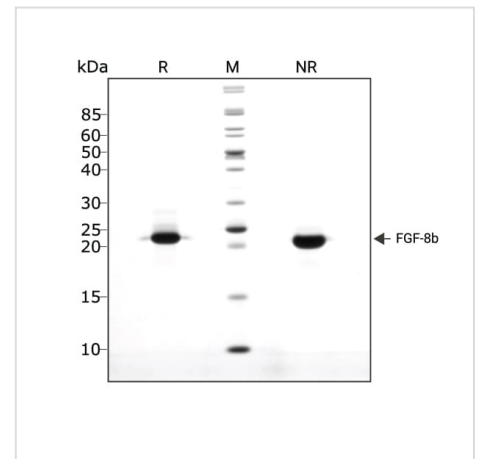
### Bioactivity

FGF-8b activity was determined using the Promega serum response element luciferase reporter assay in HEK293T cells. EC50 = 4.1 ng/ml (0.18 nM). Cells were treated in triplicate with a serial dilution of FGF-8b for 3 hours. Firefly luciferase activity was measured and normalized to the control Renilla luciferase activity. Data from Qk057 lot #104458.



### Purity

FGF-8b (Qk057) migrates as a single band at 22.5 kDa in non-reducing (NR) conditions and upon reduction. Purified recombinant protein (3 µg) was resolved using 15% w/v SDS-PAGE in reduced (+β-mercaptoethanol, R) and non-reduced (NR) conditions and stained with Coomassie Brilliant Blue R250. Data from Qk057 batch #104458.



**Original product page:** <https://ryan.calliope-alpha.ts.net/product/recombinant-human-fgf-8b-protein-qk057-ctg/>

**PDF generated:** 12 May 2026

Copyright © 2026 by Qkine Ltd. All rights reserved including graphics and images.