

Recombinant bovine FGF-basic

Cell culture components

Recombinant bovine FGF-basic is a highly purified, food-grade basic fibroblast growth factor (bFGF, FGF-2) produced in *Escherichia coli* K12. Designed for use in the production of cultivated meat and other food applications, it meets stringent food safety and purity requirements.

Expression Host: *Escherichia coli* K12

Calculated Molecular Mass: 16,439 Da

Amino Acid Sequence: PALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGVRKSDPHIKLQLQAEERGWSIK
GVCANRYLAMKEDGRLLASKCVTDECFFFERLESNNYNTYRSRKYSSWYVALKRTGQYKLGPKTGPGQKAILFLPMSAKS

Sequence Reference: UniProt P03969-1

In detail, the solution contains the following ingredients: +- Sodium chloride (CAS 7647-14-5)

- Disodium hydrogen phosphate dihydrate (CAS 231-448-7)
- bFGF (CAS 106096-93-9)
- Dithiothreitol (CAS 3483-12-3)
- Potassium dihydrogen phosphate (CAS 7778-77-0)
- Potassium chloride (CAS 7447-40-7)

Properties

- Food grade quality
- High purity (HPLC) > 90%
- Low endotoxins
- Vegan and vegetarian
- Allergen-free
- Suitable for use in food production (e.g. cultivated meat)
- Produced without animal-derived components
- Manufactured according to Food Safety requirements
- Origin of manufacturing is UK

Technical data

Specification

Property	Condition	Value	Method
Coliforms	-	≤ 30 CFU/g	ISO 4831:2006
Content	-	0.9 - 1.1 g/l	RP-HPLC
Endotoxin	-	≤ 25 endotoxin units per milliliter	PH.EUR 2.6.14
Escherichia coli	-	Absence in 25g	PH. EUR. (2.6.13)
Lead	-	≤ 0.1 µg/ml	ICP-MS
Purity	-	≥ 90 %	RP-HPLC
Salmonella	-	Absence in 25g	PH. EUR. (2.6.13)

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Application details

Recombinant bovine FGF-basic Food is intended for use in the production of cultivated meat and other food applications. For professional use in food processing and cellular agriculture.

Packaging and storage

Packaging

Available in 45 mL PP tubes.

Storage

Store at -60 °C to -90 °C. Shelf life: at least 36 months at -80 °C. After thawing, keep refrigerated (3-8 °C) and use within 3 days. Avoid repeated freeze-thaw cycles.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code Recombinant bovine FGF-basic



For technical, quality or product safety questions, please contact:

Wacker Chemie AG, Gisela-Stein-Strasse 1, 81671 Munich, Germany
productinformation@wacker.com, www.wacker.com

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