

FGF-2 (Human) - Certificate of Analysis

Immobazyme (Pty) Ltd.

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Basic Fibroblast Growth Factor (FGF-2)

CAS: 106096-93-9 | Lot: 20241018-FGF2.

FGF-2 plays a critical role in cell culture by promoting the proliferation and differentiation of fibroblasts and other cell types. It is essential for supporting the growth of cells *in vitro*, making it a crucial component in tissue engineering, regenerative medicine, and stem cell research. Physiologically, FGF-2 enhances cell viability, stimulates angiogenesis, and accelerates wound healing processes, as demonstrated in various studies, including its ability to significantly increase the rate of fibroblast proliferation and wound closure under controlled conditions.

Product Specifications

- **Grade:** Food-grade and Allergen-free.
- **Amount:** 100 µg per vial.
- **Expression System:** *E. coli*.
- **Amino Acid Sequence:** Recombinant FGF-2 is a monomeric fusion peptide with enhanced stability and solubility
- **Molecular Weight:** 74.5 kDa (with fusion protein).
- **Form:** Lyophilized powder.
- **Sterility:** Filtered through a 0.22 µm sterile filter.
- **Mycoplasma:** Absent.
- **Storage Conditions:** Lyophilized sample is transported at ambient temperature. For extended shelf life, store at -20°C before and after reconstitution.



FACTS Lab
The Woodmill, Vredenburg Rd,
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Food & Allergy Consulting & Testing Services

TEST REPORT

Client details: Immobazyme (Pty) Ltd
Shop C8, The Woodmill
Stellenbosch 7600
For Attention: Ethan Hunter

Date of Report: 2024-12-10
Date of Sample Receipt: 2024-12-04
Date of Analysis: 2024-12-10
Report Issue: 1

SAMPLE DETAILS

Sample ID: 46255
Sample(s) submitted: 1x
Sample name: Recombinant GF

Sampled by: Client
Sample conditions: Recombinant GF, Cold Storage

RESULTS

Analysis	Test Reference	Reporting Limit	Result (Qualitative)	Result (Quantitative)	M oU**	Units
Total Milk Egg	P5.4_17	10	Not detected			mg/kg (ppm)
Soy	P5.4_17	10	Not detected			mg/kg (ppm)
Crustacean W	P5.4_17	10	Not detected			mg/kg (ppm)
heat Fish	P5.4_17	10	Not detected			mg/kg (ppm)
Peanut	P5.4_17	10	Not detected			mg/kg (ppm)
Mustard	P5.4_17	10	Not detected			mg/kg (ppm)
Sesame seed	P5.4_17	10	Not detected			mg/kg (ppm)
	P5.4_17	10	Not detected			mg/kg (ppm)
	P5.4_17	10	Not detected			mg/kg (ppm)

Comments:

Known non-specificity: No known non-specificity. Does not include exhaustive list of fish and crustacean species.
Reporting information: Results reported as protein. Jana Coetzee # (MSc Genetics, SU)
Analysis completed by: Jana Coetzee # (MSc Genetics, SU)
Report approved by:

**This product is preservative-free and manufactured in compliance with food safety standards, ensuring its suitability for use in food-related applications.
Not for Human or Veterinary Diagnostic or Therapeutic Use.**

Signed by Ethan Hunter in his capacity as director of Immobazyme (Pty) Ltd.

11/12/2024