

# EGF (Human) - Certificate of Analysis

## Immobazyme (Pty) Ltd.

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## Epidermal Growth Factor (Human)

**CAS: 62253-63-8 | LOT: 20250123-EGF**

Epidermal Growth Factor (Human), also known as EGF, is a potent growth factor primarily synthesised by epithelial cells and platelets. It binds specifically to the Epidermal Growth Factor Receptor (EGFR) to activate intracellular signalling pathways. These protein-protein interactions play a crucial role in regulating cellular proliferation, differentiation, and migration.

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## Product Specifications

- **Grade:** Food-grade and Allergen-free.
- **Amount:** 100µg per vial.
- **Expression System:** *E. coli*.
- **Protein Information:** Recombinant EGF is a monomeric fusion peptide with enhanced stability and solubility
- **Molecular Weight:** 23.9 kDa (with fusion protein).
- **Form:** Lyophilised powder.
- **Mycoplasma:** Absent.
- **Storage Conditions:** Store liquid vials at –20°C for up to 6 months. If stored at 4°C, use within 1 week.



Food & Allergy Consulting & Testing Services

FACTS Lab  
The Woodmill, Vredenburg Rd,  
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## TEST REPORT

Client details: Immobazyme (Pty) Ltd  
Shop C8, The Woodmill  
Date of Report: 2024-12-10  
Date of Sample Receipt: 2024-12-04  
Date of Analysis: 2024-12-10  
Report Issue: 1  
For Attention: Stellenbosch 7600  
Ethan Hunter

### 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.**  
**For Research Use Only.**

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

15/12/2024