



## EGF Human

### Product Description

**Catalog #:** CJQ232, 100 µg  
CJQ233, 1 mg

**Name:** **EGF Human, recombinant**  
Epidermal Growth Factor, Urogastrone, URG  
MW: 6.2 kDa

**Source :** *E. coli*

**Physical** Sterile filtered white lyophilized (freeze-dried) powder

**Appearance :**

**Storage:** -20°C  
For Research Use Only

### Introduction

Epidermal Growth Factor (EGF) is a growth factor that stimulates the proliferation of epithelial and epidermal cells. EGF family members are characterized by three intramolecular disulfide bonds and can bind to four different receptor tyrosine kinases known as EGFR/ErbB1, ErbB2, ErbB3, and ErbB4. Recombinant human EGF is a single, non-glycosylated protein containing 53 amino acids, with a molecular weight of 6.2 kDa.

### Directions for use

#### Formulation and Stability

Recombinant human EGF is lyophilized with no additives.  
Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

#### Reconstitution

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

#### Protein Content and Purity (typically $\geq 95\%$ ) determined by

HPLC, Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

FT-CJQ230

## Endotoxin Level

Measured by kinetic LAL analysis and is typically  $\leq 1$  EU/ $\mu$ g protein.

## Biological Activity

The activity is determined by the dose-dependent proliferation of murine BALB/c 3T3 cells and is typically between 20-100 pg/mL.

## AA Sequence

NSDSECPLSH DGYCLHDGVC MYIEALDKYA CNCVVG YIGE RCQYRDLKWW ELR

## Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

Please contact InterBioTech – Interchim for any other information

Hotline : +33(0)4 70 03 73 06 – [Interbiotech@interchim.com](mailto:Interbiotech@interchim.com)

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