Recombinant Human EGF

CATALOG #:	4022-100	100 µg
	4022-500	500 µg
	4022-1000	1 mg

4022-5000 5 mg

SOURCE: E. coli

PURITY: >98% by SDS-PAGE and HPLC analyses

Endotoxin level is <0.1 ng per µg of EGF.

MOL. WEIGHT: 6.2 kDa

FORM: Lyophilized with no additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized EGF is best-stored desiccated below 0°C. Reconstituted EGF should be stored at -20°C in working aliquots.

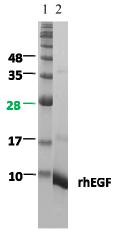
DESCRIPTION:

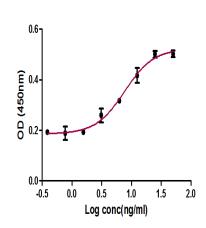
EGF (Epidermal Growth Factor) is polypeptide growth factor that stimulates the proliferation of a wide range of epidermal and epithelial cells. Recombinant human EGF is a 6.2 kDa protein containing 53 amino acid residues. This recombinant human EGF has an N-terminla His-tag preceding the 53 amino acid sequence (MW = 8.5 kDa)

BIOLOGICAL ACTIVITY:

The EC $_{50}$ as determined by the dose-dependent stimulation of BALB/c 3T3 cells is 5.92-10.06 ng/ml.

FOR RESEARCH USE ONLY! Not to be used in human subjects.





Lane 1: Marker Lane 2: ~18 μg rhEGF

EGF, human recombinant

RELATED PRODUCTS:

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies

