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 a 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-terminal His-tag preceding the 53 amino acid sequence (MW = 8.5 kDa)

BIOLOGICAL ACTIVITY:  
The EC₅₀ 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.