

# Human EGF Recombinant Protein, eBioscience™

## Product Details

Size	500 µg
Species	Human
Expression system	E. coli
Amino acid sequence	Human EGF recombinant protein is a single, non-glycosylated polypeptide chain containing 53 amino acids
Molecular weight	6.2 kDa
Class	Recombinant
Type	Protein
Purity	>98%
Conjugate	Unconjugated
Form	Lyophilized
Purification	Affinity chromatography
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Control (Ctrl)	Assay-Dependent	-
Miscellaneous PubMed (Misc)	-	3 Publications

## Product Specific Information

Description: Recombinant Human EGF produced in E. coli is a single, non-glycosated, polypeptide chain containing 53 amino acids and having a molecular mass of 6222 Dalton.

Epidermal growth factor has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cleaved to generate the 53-amino acid peptide hormone that stimulates cells to divide. EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture.

Purity: >98%.

Molecular Weight: 6.2 kDa.

## 3 References

### Miscellaneous PubMed (3)

Redox biology

#### Regulation of PD-L1 expression in K-ras-driven cancers through ROS-mediated FGFR1 signaling.

Authors: Glorieux C,Xia X,He YQ,Hu Y,Cremer K,Robert A,Liu J,Wang F,Ling J,Chiao PJ,Huang P

Year  
2021

Journal of biomedical science

#### A novel c-Kit/phospho-prohibitin axis enhances ovarian cancer stemness and chemoresistance via Notch3-PBX1 and -catenin-ABCG2 signaling.

Authors: Fang CH,Lin YT,Liang CM,Liang SM

Year  
2020

[View more Misc references on thermofisher.cn](#)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.