

# Human EGF, Animal-Free Recombinant Protein, PeproTech®

## Product Details

Size	100 µg
Species	Human
Published Species	Pig, Rat, Reptile, Non-human primate, Amphibian, Panda, Chordate, Bat, Bovine, Sheep, Hamster, Zebrafish, Cat, Human, Mouse, Chicken, Horse, Dog, Rabbit
Expression system	E. coli
Amino acid sequence	NSDSECPLSH DGYCLHDGVC MYIEALDKYA CNCVVG YIGE RCQYRDLKWW ELR
Molecular weight	6.2 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<0.1 EU/µg
Activity	The ED50 was determined by a cell proliferation assay using balb/c 3T3 cells is 0.1 ng/ml, corresponding to a specific activity of 1 x 10 <sup>7</sup> units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

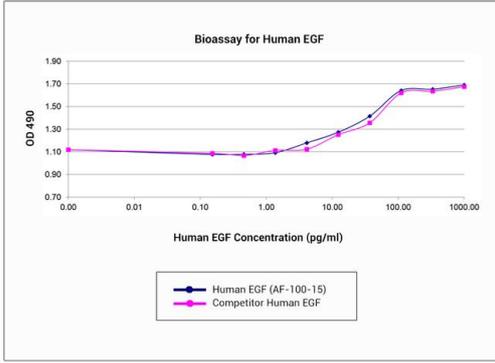
Applications	Tested Dilution	Publications
Control (Ctrl)	Assay-dependent	1 Publication
In vitro Assay (In vitro)	-	1157 Publications
Miscellaneous PubMed (Misc)	-	187 Publications
Western blot control (WB Ctrl)	Assay-dependent	1 Publication
ELISA standard (ELISA Std)	Assay-dependent	-
Bioactivity (Bioactivity)	Assay-dependent	1 Publication
Cell culture (Cell Clt)	-	9 Publications
Cell differentiation (Cell Diff)	-	4 Publications
Cell stimulation (Cell Stm)	-	2 Publications
Cell induction (Cell Ind)	-	2 Publications
Cell expansion (Cell Exp)	-	1 Publication
PSC/iPSC (PSC/iPSC)	-	0 Publication

## Product Specific Information

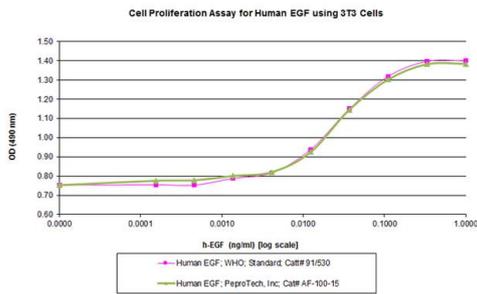
Recombinant Human EGF is a 6.2 kDa globular protein containing 53 amino acid residues, including 3 intramolecular disulfide bonds.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

## Product Images For Human EGF, Animal-Free Recombinant Protein, PeproTech®



**Human EGF, Animal-Free Protein (AF-100-15-100UG) in Bioactivity**  
Bioassay analysis of Human EGF, Animal-Free Recombinant Protein, PeproTech® (Product # AF-100-15-1MG).



**Human EGF, Animal-Free Protein (AF-100-15-100UG) in Bioactivity**  
WHO Comparison of Human EGF, Animal-Free Recombinant Protein, PeproTech® (Product # AF-100-15-1MG).

## Control (1)

Nature communications

### Conversion of graded phosphorylation into switch-like nuclear translocation via autoregulatory mechanisms in ERK signalling.

Authors: Shindo Y,Iwamoto K,Mouri K,Hibino K,Tomita M,Kosako H,Sako Y,Takahashi K

Year  
2016

Species  
Rat

## In vitro Assay (1157)

Cell death discovery

### A comparative pharmaco-metabolomic study of glutaminase inhibitors in glioma stem-like cells confirms biological effectiveness but reveals differences in target-specificity.

Authors: Koch K,Hartmann R,Tsiampali J,Uhlmann C,Nickel AC,He X,Kamp MA,Sabel M,Barker RA,Steiger HJ,Hänggi D,Willbold D,Maciaczyk J,Kahlert UD

Year  
2025

Species  
Human

STAR protocols

### Protocol for generating a co-culture of macrophages with breast cancer tumoroids.

"EGF (cat# AF-100-15) was used in the culture medium for human breast cancer tumoroids."

Authors: Raffo-Romero A,Ziane-Chaouche L,Hajjaji N,Salzet M,Duhamel M

Year  
2025

Species  
Human

[View more In vitro references on thermofisher.com](#)

## Miscellaneous PubMed (187)

Frontiers in bioengineering and biotechnology

### Design of an Integrated Microvascularized Human Skin-on-a-Chip Tissue Equivalent Model.

"AF-100-15 was used in Cell Culture to characterize a chip model of human skin tissue including micro vasculature."

Authors: Jones CFE,Di Cio S,Connelly JT,Gautrot JE

Year  
2025

Species  
Human

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

## More applications with references on thermofisher.com

[WB Ctrl \(1\)](#)

[Bioactivity \(1\)](#)

[Cell Clt \(9\)](#)

[Cell Diff \(4\)](#)

[Cell Stm \(2\)](#)

[Cell Ind \(2\)](#)

[Cell Exp \(1\)](#)

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