

Mouse EGF Recombinant Protein, PeproTech®

Product Details

Size	100 µg
Species	Mouse
Published Species	Dog, Rat, Pig, Bacteria, Mouse, Human, Guinea pig
Expression system	E. coli
Amino acid sequence	NSYPGCPSSY DGYCLNGGVC MHIESLDSYT CNCVIGYSGD RCQTRDLRWW ELR
Molecular weight	6 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<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 ⁷ units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Immunomicroscopy (IM)	-	1 Publication
In vitro Assay (IV)	-	371 Publications
Miscellaneous PubMed (Misc)	-	69 Publications

Product Specific Information

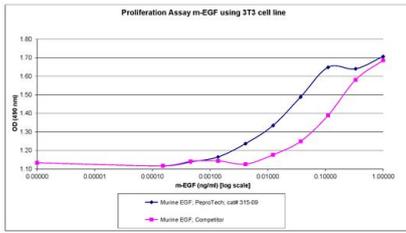
Recombinant Murine EGF is a 6.0 kDa globular protein containing 53 amino acid residues, including 3 intramolecular disulfide bonds.

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

Product Images For Mouse EGF Recombinant Protein, PeproTech®

Mouse EGF Protein (315-09-100UG) in FN

Bioassay analysis of Mouse EGF Recombinant Protein, PeproTech® (Product # 315-09-1MG).



Immunomicroscopy (1)

Nature communications

Concomitant Notch activation and p53 deletion trigger epithelial-to-mesenchymal transition and metastasis in mouse gut.

Authors: Chanrion M, Kuperstein I, Barrière C, El Marjou F, Cohen D, Vignjevic D, Stimmer L, Paul-Gilloteaux P, Bièche I, Tavares Sdos R, Boccia GF, Cacheux W, Meseure D, Fre S, Martignetti L, Legoix-Né P, Girard E, Fetler L, Barillot E, Louvard D, Zinovyev A, Robine S

Year
2014

Species
Mouse

In vitro Assay (371)

Nature communications

Role of PDGFRA⁺ cells and a CD55⁺ PDGFRA^{Lo} fraction in the gastric mesenchymal niche.

"315-09 was used in Cell Culture to shed light on spatial, molecular, and functional organization of gastric mesenchyme and the spectrum of signaling sources for epithelial support."

Authors: Manieri E, Tie G, Malagola E, Seruggia D, Madha S, Maglieri A, Huang K, Fujiwara Y, Zhang K, Orkin SH, Wang TC, He R, McCarthy N, Shivdasani RA

Year
2023

Species
Mouse

Cell death discovery

MicroRNA-674-5p induced by HIF-1 targets XBP-1 in intestinal epithelial cell injury during endotoxemia.

Authors: Liu Z, Jiang J, Dai W, Wei H, Zhang X, Yang Z, Xiong Y

Year
2023

Species
Mouse

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

Miscellaneous PubMed (69)

Cell death discovery

Antagonistic effects of IL-17 and Astragaloside IV on cortical neurogenesis and cognitive behavior after stroke in adult mice through Akt/GSK-3 pathway.

"315-09 was used in Sample Preparation (Western Blotting) to study the effect of IL-17 on regulating neural stem cells (NSCs) stemness and adult neurogenesis in ischemic cortex after stroke and the mechanism of Astragaloside IV(As-IV) regulated IL-17 expression to show that IL-17 exerts a negative effect on promoting NSCs proliferation, neurogenesis and cognitive deficits after ischemic stroke, which can be reversed by As-IV."

Authors: Sun L, Han R, Guo F, Chen H, Wang W, Chen Z, Liu W, Sun X, Gao C

Year
2023

Species
Mouse

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More applications with references on thermofisher.com

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