

Mouse EGF, Animal-Free Recombinant Protein, PeproTech®

Product Details

Size	500 µg
Species	Mouse
Published Species	Mouse, Human
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	<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 1×10^7 units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Functional Assay (Functional)	Assay-dependent	-
In vitro Assay (IV)	-	10 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

10 References

In vitro Assay (10)

Life science alliance

***Helicobacter pylori* induces the expression of Lgr5 and stem cell properties in gastric target cells.**

"AF-315-09 was used in Tissue/organ culture to indicate that *H. pylori* has stemness-inducing properties that depend on its ability to activate NF-B signaling."

Authors: Nascakova Z, He J, Papa G, Francas B, Azizi F, Müller A

Year
2024

Species
Mouse

Communications biology

Diverse but unique astrocytic phenotypes during embryonic stem cell differentiation, culturing and development.

"AF-315-09 was used in Cell Culture to highlight the need to carefully consider the choice of astrocyte origin and phenotype with respect to age, isolation and culture protocols based on the respective biological question."

Authors: Freitag K, Eede P, Ivanov A, Sterczyk N, Schneeberger S, Borodina T, Sauer S, Beule D, Heppner FL

Year
2023

Species
Mouse

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