Human/Mouse/Rat Activin A Recombinant Protein, PeproTech®

Product Details	
Size	10 µg
Species	Human, Mouse, Rat
Published Species	Pig, Rat, Amphibian, Bovine, Mouse, Human, Chicken
Expression system	Insect cells
Amino acid sequence	GLECDGKVNI CCKKQFFVSF KDIGWNDWII APSGYHANYC EGECPSHIAG TSGSSLSFHS TVINHYRMRG HSPFANLKSC CVPTKLRPMS MLYYDDGQNI IKKDIQNMIV EECGCS
Molecular weight	26 kDa
Class	Recombinant
Type	Protein
Purity	95% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	Determined by its ability to inhibit the proliferation of mouse MPC-11 cells. The expected ED50 is 2.0 ng/ml, corresponding to a specific activity of 5 x 10^5 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)	-	106 Publications
Miscellaneous PubMed (Misc)	-	12 Publications
Immunostaining (IS)	-	1 Publication

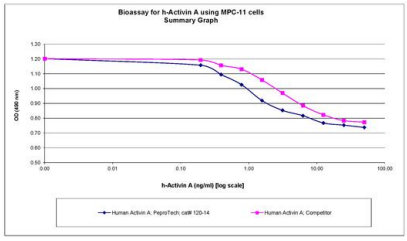
Product Specific Information

120-14-1MG will be provided as 2 x 500 µg (120-14-500UG).

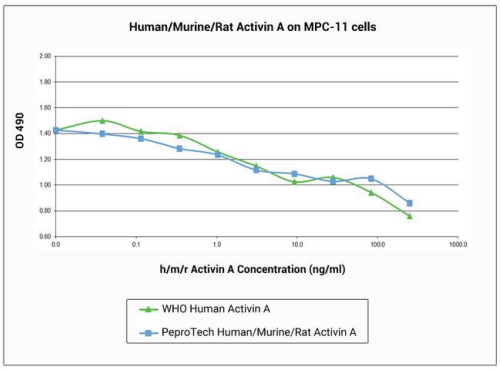
Recombinant Human/Murine/Rat Activin A is a 26.0 kDa disulfide-linked homodimer of two betaA chains, each containing 116 amino acid residues.

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/Mouse/Rat Activin A Recombinant Protein, PeproTech®



Human/Mouse/Rat Activin A Protein (120-14-10UG) in Functional
Bioassay analysis of Human/Mouse/Rat Activin A Recombinant Protein, PeproTech® (Product # 120-14-1MG).



Human/Mouse/Rat Activin A Protein (120-14-10UG) in Functional
WHO Comparison of Human/Mouse/Rat Activin A Recombinant Protein, PeproTech® (Product # 120-14-1MG).

119 References

In vitro Assay (106)

Cell reports methods

Rat post-implantation epiblast-derived pluripotent stem cells produce functional germ cells.

"120-14 was used in In vitro experiments to demonstrate that rat EpiSCs retain competency to produce authentic primordial germ cell-like cells that undergo functional gametogenesis leading to the birth of viable offspring."

Authors: Iwatsuki K,Oikawa M,Kobayashi H,Penfold CA,Sanbo M,Yamamoto T,Hochi S,Kurimoto K,Hirabayashi M, Kobayashi T

Year
2023

Species
Rat

Frontiers in cell and developmental biology

Species origin of exogenous transcription factors affects the activation of endogenous pluripotency markers and signaling pathways of porcine induced pluripotent stem cells.

"120-14 was used in Cell Culture to reprogram porcine fetal fibroblasts using porcine, bovine and murine transcription factors."

Authors: Zhou M,Zhang M,Guo T,Zhao L,Guo X,Yin Z,Cheng L,Liu H,Zhao L,Li X,Li R

Year
2023

Species
Bovine
Mouse
Pig

View more IV references on thermofisher.cn

Miscellaneous PubMed (12)

Methods in molecular biology (Clifton, N.J.)

Derivation of Three-Dimensional Human Induced Pluripotent Stem Cell-Derived Vocal Fold Mucosa for Clinical and Pharmacological Applications.

"120-14 was used in Cell Culture to describe in vitro developmental differentiation of human induced pluripotent stem cells into vocal fold basal epithelial progenitors that were reseeded on collagen-fibroblast constructs to induce stratification and generate a three-dimensional model of human vocal fold mucosa which can be used as a tool for disease modeling and testing of therapeutic approaches for the treatment of laryngeal and VF inflammation."

Authors: Lungova V,Thibeault SL

Year
2022

Species
Human

Journal of neurochemistry

Selective activation and down-regulation of Trk receptors by neurotrophins in human neurons co-expressing TrkB and TrkC.

"120-14 was used in Sample Preparation (Western Blotting) to study Trk activation by brain-derived neurotrophic factor (BDNF) and neurotrophin-3 (NT3) in neurons differentiated from human embryonic stem cells expressing both TrkB and TrkC."

Authors: Ateaque S,Merkouris S,Wyatt S,Allen ND,Xie J,DiStefano PS,Lindsay RM,Barde YA

Year
2022

Species
Human

View more Misc references on thermofisher.cn

More applications with references on thermofisher.cn

IS (1)

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