

Follicle-stimulating hormone

Cat. No.:	HY-134400
CAS No.:	9002-68-0
Target:	Others
Pathway:	Others
Storage:	<div>Powder -20°C 3 years</div> <div>In solvent -80°C 6 months</div> <div>-20°C 1 month</div>

Follicle-stimulating hormone

BIOLOGICAL ACTIVITY

Description	Follicle-stimulating hormone is a heterodimer glycoprotein expressed by gonadotropin in the anterior pituitary gland. Follicle-stimulating hormone affects the fertility and reproductive efficiency of animals ^{[1][2]} .	
In Vitro	Follicle-stimulating hormone (FSH) stimulates the production of inhibin from ovarian granulosa cells, which in turn downregulates FSH production ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Follicle-stimulating hormone (1-4 mg/goat; i.m.; twice daily for 2 d) increases the total corpus luteum (CL), the number of embryos recovered and high-quality embryos in goats implanted Norgestomet (HY-121677) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Non-lactating mixed breed dairy goats implanted with Norgestomet ^[1]
	Dosage:	1 mg, 2 mg, 3 mg, and 4 mg; treated after implanted 6 mg Norgestomet for 11 d
	Administration:	Intramuscular injection; twice daily for 2 days, with 12 h interval
	Result:	Increased the total corpus luteum (CL), and decreased the number of abnormal CL. Increased the number of embryos recovered and high-quality embryos.

REFERENCES

- [1]. Das N, et al. Molecular regulation of follicle-stimulating hormone synthesis, secretion and action. J Mol Endocrinol. 2018 Apr;60(3):R131-R155.
- [2]. Pendleton R J, et al. Follicle stimulating hormone versus pregnant mare serum gonadotropin for superovulation of dairy goats. Small Ruminant Research, 1992, 8(3): 217-224.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA