

GnRH Associated Peptide (25-53), human

Cat. No.:	HY-P3605
CAS No.:	106061-19-2
Molecular Formula:	C ₁₄₀ H ₂₂₆ N ₄₀ O ₄₉ S
Molecular Weight:	3285.6
Sequence Shortening:	FECTTHQPRSPRLDLKGALESLEEETGQ
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	GnRH Associated Peptide (GAP) (25-53), human is the human gonadotropin-releasing hormone-associated peptide (GAP) 25-53 fragment (hGAP-25-53), can be used as immunogen to generate antisera including MC-1, MC-2, and MC-3. GAP is joined to the luteinizing hormone-releasing hormone (LH-RH) sequence by a 3 amino acid processing site ^[1] .
In Vitro	GAP (10 nM; 4 h) stimulates the release of both gonadotropins in anterior pituitaries from female Sprague-Dawley rats, but inhibits the basal secretion of prolactin by ~50%, compared with inhibition levels reported for dopamin, a known prolactin-inhibiting factor ^[2] . GAP (0.1-10 nM; 3-4 h) inhibits prolactin secretion by 40-45%, with an IC ₅₀ value of 0.25 nM ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Culler MD, et al. Development of specific antisera and a radioimmunoassay procedure for the gonadotropin-releasing hormone associated peptide (GAP) of the LHRH prohormone. Brain Res Bull. 1986 Aug;17(2):219-23.

[2]. Nikolics K, et al. A prolactin-inhibiting factor within the precursor for human gonadotropin-releasing hormone. Nature. 1985 Aug 8-14;316(6028):511-7.

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