

## Calcitonin, eel TFA

Cat. No.:	HY-P1463A		
Molecular Formula:	C <sub>148</sub> H <sub>242</sub> F <sub>3</sub> N <sub>43</sub> O <sub>49</sub> S <sub>2</sub>		
Molecular Weight:	3528.89		
Sequence:	Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asp-Val-Gly-Ala-Gly-Thr-Pro-NH <sub>2</sub> (Disulfide bridge: Cys1-Cys7)		
Sequence Shortening:	CSNLSTCVLGKLSQELHKLQTYPRTDVGAGTP-NH <sub>2</sub> (Disulfide bridge: Cys1-Cys7)		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-80°C	2 years
		-20°C	1 year
	In solvent	-80°C	6 months
		-20°C	1 month

### BIOLOGICAL ACTIVITY

<b>Description</b>	Calcitonin, eel TFA is the thyroid hormone peptide that contributes to the regulation of calcium homeostasis, widely used in the research of postmenopausal osteoporosis <sup>[1]</sup> .
<b>In Vitro</b>	Calcitonin, eel effectively induces a concentration-dependent stimulation of phosphoinositide hydrolysis and stimulates prolactin release compared to salmon calcitonin in cultured anterior pituitary cells <sup>[1]</sup> . Calcitonin, eel is inactive on the inhibition of prolactin release under thyrotropin releasing hormone (TRH) stimulated conditions <sup>[1]</sup> .

### REFERENCES

[1]. Sortino MA, et al. Comparative effects of eel calcitonin, salmon calcitonin and [Asu1,7]eel calcitonin on hypophyseal and osteoblastic function. *Gynecol Endocrinol.* 1993 Jun;7(2):89-96.

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

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