

Myoregulin TFA

Cat. No.:	HY-P6008A
Molecular Formula:	$C_{239}H_{391}N_{53}O_{67}S_3 \cdot xC_2HF_3O_2$
Sequence:	Met-Ser-Gly-Lys-Ser-Trp-Val-Leu-Ile-Ser-Thr-Thr-Ser-Pro-Gln-Ser-Leu-Glu-Asp-Glu-Ile-Leu-Gly-Arg-Leu-Leu-Lys-Ile-Leu-Phe-Val-Leu-Phe-Val-Asp-Leu-Met-Ser-Ile-Met-Tyr-Val-Val-Ile-Thr-Ser <small>MSGKSWVLSTTSPQSLEDEILGRLLKILFVLFVDLMSIMYWITS (TFA salt)</small>
Sequence Shortening:	MSGKSWVLSTTSPQSLEDEILGRLLKILFVLFVDLMSIMYWITS
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Myoregulin (MLN peptide) TFA is a member of the regulin family. Myoregulin TFA regulates muscle performance by modulating intracellular calcium handling. Myoregulin TFA interacts directly with sarcoplasmic reticulum Ca^{2+} -ATPase (SERCA) and impedes Ca^{2+} uptake into the sarcoplasmic reticulum^{[1][2]}.

REFERENCES

- [1]. Anderson DM, et al. A micropeptide encoded by a putative long noncoding RNA regulates muscle performance. Cell. 2015 Feb 12;160(4):595-606.
- [2]. Xinqiang Yin, et al. Distribution of micropeptide-coding sORFs in transcripts. Chinese Chemical Letters. Volume 29, Issue 7, July 2018, Pages 1029-1032.

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