

wt hMLN

Cat. No.:	HY-P6013
Molecular Formula:	C ₂₄₅ H ₄₀₄ N ₅₄ O ₆₆ S
Molecular Weight:	5194.22
Sequence:	Met-Thr-Gly-Lys-Asn-Trp-Ile-Leu-Ile-Ser-Thr-Thr-Thr-Pro-Lys-Ser-Leu-Glu-Asp-Glu-Ile-Val-Gly-Arg-Leu-Leu-Lys-Ile-Leu-Phe-Val-Ile-Phe-Val-Asp-Leu-Ile-Ser-Ile-Ile-Tyr-Val-Val-Ile-Thr-Ser
Sequence Shortening:	MTGKNWILISTTTPKSLEDEIVGRLLKILFVIFVDLISIIYVWITS
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	wt hMLN is a microprotein that inhibits of SR Ca ²⁺ pump (SERCA). wt hMLN plays an important role in skeletal muscle calcium homeostasis ^[1] .
IC ₅₀ & Target	SERCA ^[1]

REFERENCES

[1]. Alexis Boulinguez, et al. NR1D1 controls skeletal muscle calcium homeostasis through myoregulin repression. JCI Insight. 2022 Sep 8; 7(17): e153584.

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

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