

16-38-Thymosin β 4 (cattle) (TFA)

Cat. No.:	HY-P3965A
Molecular Formula:	$C_{120}H_{205}F_3N_{32}O_{43}$
Molecular Weight:	2841.1
Sequence:	Lys-Leu-Lys-Lys-Thr-Glu-Thr-Gln-Glu-Lys-Asn-Pro-Leu-Pro-Ser-Lys-Glu-Thr-Ile-Glu-Gln-Glu-Lys
Sequence Shortening:	KLKKTETQEKNPLPSKETIEQEK
Target:	Myosin
Pathway:	Cytoskeleton
Storage:	Sealed storage, away from moisture and light
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

BIOLOGICAL ACTIVITY

Description	16-38-Thymosin β 4 (cattle) TFA is a Ca^{2+} -independent MLCK activator with high affinity ^[1] .
IC ₅₀ & Target	MLCK ^[1] .
In Vitro	16-38-Thymosin β 4 cattle TFA (50 pM) results in a dramatic increase in the percent of phosphorylation of LC ₂ in the absence of exogenous CaM (calmodulin) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Galoyan AA, et al. A hypothalamic activator of calmodulin-dependent enzymes is thymosin beta 4 (1-39). Neurochem Res. 1992 Aug;17(8):773-7.

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

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