Adrenotensin (human)

Cat. No.:	HY-P3919
CAS No.:	166546-72-1
Molecular Formula:	$C_{143}H_{224}N_{42}O_{43}$
Molecular Weight:	3219.56
Sequence Shortening:	SLPEAGPGRTLVSSKPQAHGAPAPPSGSAPHFL
Target:	CGRP Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Adrenotensin (human) (Pro-ADM-153-185 (human)) is a 153-185 fragment of precursor peptide of Adrenomedullin. Adrenomedullin (ADM) is a 52-amino acid multifunctional peptide, which belongs to the CGRP superfamily of vasoactive peptide hormones[1].
In Vitro	The human Adrenomedullin (ADM) peptide is encoded by a single gene, which is located on chromosome 11 and consists of four exons and three introns. Translation of the transcript generates the 185 amino acid precursor peptide prepro-ADM, which is subsequently converted into the 164 amino acid pro-ADM by cleavage of the N-terminal signal-peptide. Pro-ADM is further processed into proADM N-terminal 20 peptide (PAMP), midregional pro-ADM, Adrenotensin Pro-ADM-153-185 and immature ADM, a C-terminally glycine-extended version of ADM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ria Schönauer, et al. Adrenomedullin-new perspectives of a potent peptide hormone. J Pept Sci. 2017 Jul;23(7-8):472-485.

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

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