

Adrenomedullin (AM) (1-52), human

Cat. No.:	HY-P1455
CAS No.:	148498-78-6
Molecular Formula:	C ₂₆₄ H ₄₀₆ N ₈₀ O ₇₇ S ₃
Molecular Weight:	6028.82
Sequence:	Tyr-Arg-Gln-Ser-Met-Asn-Asn-Phe-Gln-Gly-Leu-Arg-Ser-Phe-Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-Val-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln-Phe-Thr-Asp-Lys-Asp-Lys-Asp-Asn-Val-Ala-Pro-Arg-Ser-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH ₂ (Disulfide bridge: Cys16-Cys21)
Sequence Shortening:	YRQSMNNFQGLRSFGCRFGTCTVQKLAHQIYQFTDKDKDNVAPRSKISPQGY-NH ₂ (Disulfide bridge: Cys16-Cys21)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Adrenomedullin (AM) (1-52), human is a 52-amino acid peptide, which affects cell proliferation and angiogenesis in cancer.
In Vitro	To explore the effect of Adrenomedullin (AM) (1-52), human on astrogloma cells, CRT-MG cells are incubated in the absence or presence of Adrenomedullin (AM) (1-52), human (ADM1-52) for 48 h in a medium containing 1% FBS, and wound-healing assay is performed. The number of cells migrating to the wound region significantly increases in the ADM1-52-treated cells, in a dose-dependent manner, compared to the untreated cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Cell Assay ^[1]	CRT-MG cells are scraped off the bottom of a culture plate using a pipette tip to create a cell-free area. The cell culture is washed with PBS to remove cell debris and then incubated with oncostatin M (OSM), Adrenomedullin (AM) (1-52), human (ADM1-52; 0.1 μM and 0.5 μM) for 48 h in 1% FBS DMEM. The wound area is photographed after scratching for control. The number of cells migrating into the initial wound area is counted at 48 h after scratching ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
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REFERENCES

[1]. Lim SY, et al. Transcriptional regulation of adrenomedullin by oncostatin M in human astrogloma cells: implications for tumor invasion and migration. Sci Rep. 2014 Sep 23;4:6444.

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

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