Adrenomedullin (Rat) Peptide – (11-50) Synthetic Peptide, ~95%. Purified by HPLC. Purity

PRODUCT OVERVIEW

Product Name	Adrenomedullin (ADM), Peptide
Full Product Name	Adrenomedullin (11-50) (rat)
Product Gene Name	ADM peptide
Host	Synthetic
Species Reactivity	Rat
Form/Format	Supplied as a lyophilized powder.
Purity/Purification	Highly Purified ~95%. Purified by HPLC.
Preparation and Storage	Lyophilized powder may be stored at 4 degree C for short-term only. Stable for 12 months at -20 degree C. Reconstitute to nominal volume (see reconstitution instructions for peptides) and store at -20 degree C. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	20,420 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (10326642..10328923). Location: 11p15.4
OMIM	103275
Sequence (linear)	Ser-Thr-Gly-Cys-Arg-Phe-Gly-Thr-Cys-Thr-Met-Gln-Lys-Leu-Ala-His-Gln-Ile-Tyr-Gln-Phe-Thr-Asp-Lys-Asp-Lys-Asp-Gly-Met-Ala-Pro-Arg-Asn-Lys-Ile-Ser-Pro-Gln-Gly-Tyr-NH2
Product Categories/Family for ADM peptide	Molecular Biology; MB-Peptides
Related Product Information for ADM peptide	MBS659214 is a peptide targeting ADM. Also known as Adrenomedullin (11-50) (rat). Reactive in Rat. Host: Synthetic.
Other Notes	Small volumes of ADM peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADM. It may not necessarily be applicable to this product.

NCBI GI #	765330
NCBI GeneID	133
NCBI Accession #	AAC60642.1
UniProt Primary Accession #	P35318
UniProt Secondary Accession #	Q6FGW2; B2R793; D3DQV3
UniProt Related Accession #	P35318
NCBI Official Full Name	adrenomedullin
NCBI Official Synonym Full Names	adrenomedullin
NCBI Official Symbol	ADM

NCBI Official Synonym Symbols	AM
UniProt Protein Name	ADM
UniProt Synonym Protein Names	ProAM N-terminal 20 peptide
Protein Family	ADM
UniProt Gene Name	ADM
UniProt Synonym Gene Names	AM; AM; PAMP; ProAM-N20
UniProt Entry Name	ADML_HUMAN
NCBI Protein Information	ADM; preproadrenomedullin
NCBI Summary for ADM	Adrenomedullin, a hypotensive peptide found in human pheochromocytoma, consists of 52 amino acids, has 1 intramolecular disulfide bond, and shows a slight homology with the calcitonin gene-related peptide. It may function as a hormone in circulation control because it is found in blood in a considerable concentration. The precursor, called preproadrenomedullin, is 185 amino acids long. By RNA-blot analysis, human adrenomedullin mRNA was found to be highly expressed in several tissues. Genomic ADM DNA consists of 4 exons and 3 introns, with the 5-prime flanking region containing TATA, CAAT, and GC boxes. There are also multiple binding sites for activator protein-2 and a cAMP-regulated enhancer element. [provided by RefSeq, Jul 2008]
UniProt Comments for ADM	Function: AM and PAMP are potent hypotensive and vasodilatator agents. Numerous actions have been reported most related to the physiologic control of fluid and electrolyte homeostasis. In the kidney, am is diuretic and natriuretic, and both am and pamp inhibit aldosterone secretion by direct adrenal actions. In pituitary gland, both peptides at physiologically relevant doses inhibit basal ACTH secretion. Both peptides appear to act in brain and pituitary gland to facilitate the loss of plasma volume, actions which complement their hypotensive effects in blood vessels. Subcellular location: Secreted. Tissue specificity: Highest levels found in pheochromocytoma and adrenal medulla. Also found in lung, ventricle and kidney tissues. Sequence similarities: Belongs to the adrenomedullin family.
Research Articles on ADM	**1.** Circulating adrenomedullin increases in patients with systemic inflammatory response syndrome or sepsis, especially in those who die in-hospital.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.