

Datasheet for ABIN7317512

Adrenomedullin Protein (ADM) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Adrenomedullin (ADM)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Adrenomedullin protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human ADM/Adrenomedullin Protein (Fc Tag)
Sequence:	Tyr95-Tyr146
Characteristics:	A DNA sequence encoding the human ADM (P35318) (Tyr95-Tyr146) was expressed, with the fused Fc region of human IgG1 at the N-terminus.
Purity:	> 93 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Adrenomedullin (ADM)
Alternative Name:	ADM/Adrenomedullin (ADM Products)
Target Type:	Hormone
Background:	Background: Adrenomedullin consists of 52 amino acids and is a member of the

Target Details

adrenomedullin family. It is a hypotensive peptide and has 1 intramolecular disulfide bond. It seems that adrenomedullin has a slight homology with the calcitonin gene-related peptide. Adrenomedullin has a highly expression in pheochromocytoma and adrenal medulla. It also can be detected in lung, ventricle and kidney tissues. Adrenomedullin and PAMP are potent hypotensive and vasodilator agents. Numerous actions have been reported most related to the physiologic control of fluid and electrolyte homeostasis. In the kidney, adrenomedullin is diuretic and natriuretic, and both adrenomedullin 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. It is believed that adrenomedullin functions through combinations of the calcitonin receptor like receptor and receptor activity-modifying proteins complexes, as well as CGRP receptors.

Synonym: AM,PAMP

Molecular Weight:	38 kDa
UniProt:	P35318
Pathways:	Hormone Transport , Hormone Activity , C21-Steroid Hormone Metabolic Process , cAMP Metabolic Process , Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Tube Formation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.