

ADM / Adrenomedullin Recombinant Protein | ADM recombinant protein

Recombinant Human ADM / Adrenomedullin Protein (Fc tag)

CATALOG #
AAA173543

HOST
HEK293 Cells

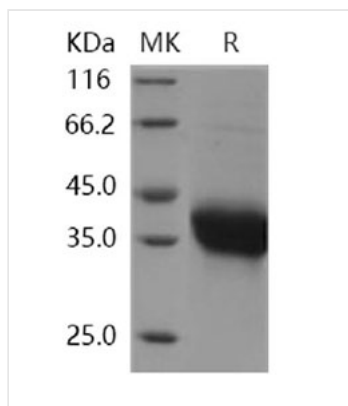
PRODUCT SYNONYMS

ADM / Adrenomedullin; Recombinant Human ADM / Adrenomedullin Protein (Fc tag); AM;PAMP; ADM recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 93 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5%Trehalose, 5% Mannitol, 0.01% Tween 80
Sequence	Tyr95-Tyr1 46
Species	Human
Tag	N-Fc
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Reconstitution	It is recommended that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	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. This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ADM recombinant protein	Adrenomedullin consists of 52 amino acids and is a member of the adrenomedullin family. It s a a hypotensive peptide and has 1 intramolecular disulfide bond. It seems that adrenomedullin has a slight homology with the calcitonin generelated 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501945
NCBI GeneID	133
NCBI Accession #	P35318
NCBI GenBank Nucleotide #	NM_001124.2
UniProt Accession #	P35318; Q6FGW2; B2R793; D3DQV3
Molecular Weight	Mol_Mass: 38kDa AP_Mol_Mass: 39kDa
NCBI Official Full Name	ADM
NCBI Official Synonym Full Names	adrenomedullin
NCBI Official Symbol	ADM
NCBI Official Synonym Symbols	AM; PAMP
NCBI Protein Information	ADM
UniProt Protein Name	ADM
UniProt Gene Name	ADM
UniProt Synonym Gene Names	AM; AM; PAMP; ProAM-N20

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.