
Recombinant Human ADM / Adrenomedullin Protein (Fc tag)**Cat.NO.: TP07048**

3th Edition

Synonyms:AM;PAMP

Description:Adrenomedullin consists of 52 amino acids and is a member of the 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.

Form:PBS**Molecular Weight:**38 kDa**Sequences:**Tyr95-Tyr146**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.