

Recombinant Human ADM

Cat. No. ADM-27104TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Adrenomedullin with N terminal proprietary tag, 37.73kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	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.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Highest levels found in pheochromocytoma and adrenal medulla. Also found in lung, ventricle and kidney tissues.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ARLDVASEFRKKWKNKWALSRGKRELRMSSTSYPTGLADVKA GPAQTLIRPQDMKGA SRSPEDSSPDAARIRVKRYRQSMNN FQGLRSFGCRFGTCTVQKLAHQIYQFTDKD
Sequence Similarities	Belongs to the adrenomedullin family.

GENE INFORMATION

Gene Name	ADM adrenomedullin [Homo sapiens]
Official Symbol	ADM
Synonyms	ADM; adrenomedullin; AM;
Gene ID	133
mRNA Refseq	NM_001124
Protein Refseq	NP_001115
MIM	103275
Uniprot ID	P35318
Chromosome	11

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Location	
Pathway	Calcitonin-like ligand receptors, organism-specific biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;
Function	adrenomedullin receptor binding; hormone activity; receptor binding;

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