

Full-Length

ADM (Human) Recombinant Protein (P02)

Catalog # H00000133-P02

Size 50 ug

Specification

Product Description	Human ADM full-length ORF (BAG35740.1, 1 a.a. - 185 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKLVSVALMYLGSLAFLGADTARLDVASEFRKKWNKWALSRGKRELRMSSSYPTGLADVKGAP AQLIRPQDMKGASRPEDSSPDAARIRVKRYRQSMNNFQGLRSFGCRFGTCTVQKLAHQIYQFT DKDKDNVAPRSKISPQGYGRRRRRSLPEAGPGRTLVS SKPQAHGAPPPSGSAPHFL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.75
Interspecies Antigen Sequence	Mouse (69); Rat (72)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADM

Entrez GeneID [133](#)

GeneBank Accession# [AK312893.1](#)

Protein Accession# [BAG35740.1](#)

Gene Name ADM

Gene Alias AM

Gene Description adrenomedullin

Omim ID [103275](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations preproadrenomedullin

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)

- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Failure](#)
- [Proteinuria](#)
- [Schizophrenia](#)