

Product datasheet for **RG200507**

Adrenomedullin (ADM) (NM_001124) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adrenomedullin (ADM) (NM_001124) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Adrenomedullin
Synonyms: AM; PAMP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200507 representing NM_001124
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTGGTTCCGTCGCCCTGATGTACCTGGGTTGCTCGCCTTCTAGGCGCTGACACCGCTCGGT
 TGGATGTCGCGTCGGAGTTTCGAAAGAAGTGAATAAGTGGGCTCTGAGTCGTGGGAAGAGGGAAGTGGC
 GATGTCCAGCAGCTACCCACCGGGCTCGCTGACGTGAAGGCCGGGCTGCCAGACCTTATTCGGCCC
 CAGGACATGAAGGGTGCCTCTCGAAGCCCCGAAGACAGCAGTCCGGATGCCGCCCGCATCCGAGTCAAGC
 GCTACCGCCAGAGCATGAACAATTCCAGGGCCTCCGGAGCTTTGGCTGCCGCTTCGGGACGTGCACGGT
 GCAGAAGCTGGCACACCAGATCTACCAGTTCACAGATAAGGACAAGGACAACGTCGCCCCAGGAGCAAG
 ATCAGCCCCAGGGCTACGGCCCGCGCCGGCGCTCCCTGCCCGAGGCCGGCCGGGTCGGACTCTGG
 TGTCTTCTAAGCCACAAGCACACGGGGCTCCAGCCCCCGAGTGAAGTGTCCCCACTTTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200507 representing NM_001124
 Red=Cloning site Green=Tags(s)

MKLVSVAMYLGLSLAFLGADTARLDVASEFRKKWNKVALSRGKRELRMSSSYPTGLADVKGPAQTLIRP
 QDMKGASRSPEDSSPDAARIRVKRYRQSMNMFQGLRSFGCRFGTCTVQKLAHQIYQFTDKDKDNVAPRSK
 ISPOGYGRRRRRSLPEAGPGRTLVSCKPQAHGAPPPSGSAPHFL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001124

ORF Size: 555 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001124.3](#)

RefSeq Size: 1449 bp

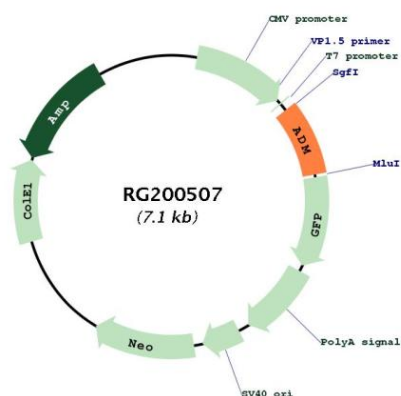
RefSeq ORF: 558 bp

Locus ID: 133

UniProt ID: [P35318](#)

Cytogenetics:	11p15.4
Domains:	Adrenomedullin
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	The protein encoded by this gene is a preprohormone which is cleaved to form two biologically active peptides, adrenomedullin and proadrenomedullin N-terminal 20 peptide. Adrenomedullin is a 52 aa peptide with several functions, including vasodilation, regulation of hormone secretion, promotion of angiogenesis, and antimicrobial activity. The antimicrobial activity is antibacterial, as the peptide has been shown to kill <i>E. coli</i> and <i>S. aureus</i> at low concentration. [provided by RefSeq, Aug 2014]

Product images:



Circular map for RG200507