

## Product datasheet for **MG201524**

### Adcyap1 (NM\_009625) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adcyap1 (NM\_009625) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Adcyap1  
**Synonyms:** P; PACAP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201524 representing NM\_009625  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCATGTGTAGCGGAGCAAGGCTGGCCCTGCTGGTGTATGGGATAATAATGCATAGCAGTGTCTCTCT  
GTTACCTGCCGCCGACTCAGCTTCCCTGGGATCAGACCAGAAGACGAGGCTTACGACCAGGACGGAAA  
CCCCTGCAAGACTTCTATGACTGGGACCCTCCCGCGTGGGGAGCCCCGCTCCGCGTGCCTGACGCT  
TACGCCCTTACTATCCAGCGGACAGGAGATGTCGCCACGAAATCCTAACGAAGCCTATCGAAAAG  
TCTTGGACCAGCTGTCCGCCAGGAAGTACCTGCAGTCGGTCGTGGCCAGGGCGCGGGGAGAACCTAGG  
CGGCAGCGCGGTGGACGACCCGGCGCCCTTACCAAACGCCACTCGGACGGCATCTTACAGATAGCTAC  
AGCCGCTACCGAAAACAATGGCTGTCAAGAAATACTTGGCGCCGTCGTAGGAAAAGGTATAAACAGA  
GGGTTAAAAACAAGGACGCCGAATAGCATACTTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201524 representing NM\_009625  
Red=Cloning site Green=Tags(s)

MTMCSGARLALLVYGIIMHSSVSCSPAAGLSFPGIRPEDEAYDQDGNPLQDFYDWDPPGVGSPASALRDA  
YALYYPADRRDVAHEILNEAYRKVLDQLSARKYLQSVVARGAGENLGGSAVDDPAPLTKRHSDFIFDTSY  
SRYRKQMAVKKYLA AVL GKRYKQ RVKNGRRIAYL

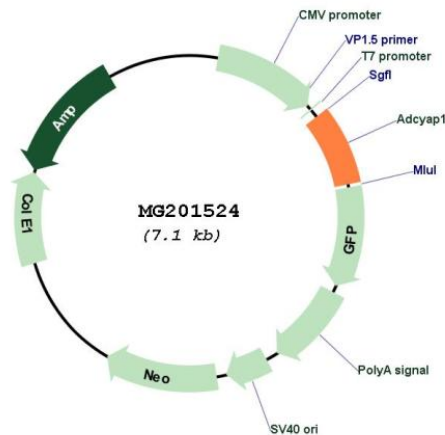
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online >](#)

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_009625

**ORF Size:** 525 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.

|                               |  |
|-------------------------------|--|
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <u><a href="#">NM_009625.3</a></u>   |
| <b>RefSeq Size:</b>           | 2108 bp  |
| <b>RefSeq ORF:</b>            | 528 bp   |
| <b>Locus ID:</b>              | 11516  |
| <b>UniProt ID:</b>            | <u><a href="#">O70176</a></u>  |
| <b>Cytogenetics:</b>          | 17 E5  |
| <b>Gene Summary:</b>          | This gene encodes a member of the glucagon superfamily of hormones that have important roles in growth and metabolism. The encoded protein undergoes proteolytic processing to generate mature peptides that function as hypophysiotropic hormones, neurotransmitters, neuromodulators and vasoregulators. Mice lacking the encoded protein exhibit a high rate of early mortality. The surviving adult animals lacking the encoded protein exhibit decreased anxiety, hyperactive behavior and impaired steroidogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2015] |