

## Product datasheet for **RG215986**

### AKAP6 (NM\_004274) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AKAP6 (NM_004274) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AKAP6
Synonyms:	ADAP6; ADAP100; AKAP100; mAKAP; PRKA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215986 representing NM_004274 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG215986 representing NM\_004274  
 Red=Cloning site Green=Tags(s)

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MLTMSVTLSPRLSQDLDPMATDASPMAINMPTVEQGEGEEAMKMDSDQYKPPPLHTGADWKIVLHL
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EKRRHRNMHR
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**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\\_004274.3](#), [NP\\_004265.3](#)

**RefSeq Size:** 10342 bp

**RefSeq ORF:** 6960 bp

**Locus ID:** 9472

**UniProt ID:** [Q13023](#)

**Cytogenetics:** 14q12

**Domains:** spectrin

**Protein Families:** Druggable Genome

**Gene Summary:** The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein is highly expressed in various brain regions and cardiac and skeletal muscle. It is specifically localized to the sarcoplasmic reticulum and nuclear membrane, and is involved in anchoring PKA to the nuclear membrane or sarcoplasmic reticulum. [provided by RefSeq, Jul 2008]