

## Product datasheet for **RG211128**

### FAHD2A (NM\_016044) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAHD2A (NM_016044) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAHD2A
Synonyms:	CGI-105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211128 representing NM_016044 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGTGTCTGGTAGAAGAAGGTTACTCACAGTTCTGCTGCAGGCTCAGAAGTGGCCCTTCAACCC  
CCAGAGACATGAGACTAGTGCAGTTCGGGCACCCACCTGGTGGGGCCTCACTGGGCCTGGAGACAGG  
GAATGGTGGAGGGTTATCAACCTCAATGCCTTGACCCACACTCCGAAGACGATGACGCAGTTCCTA  
GAGCAGGGAGAGGCCACCCTCTCAGTGGCAAGAAGAGCCCTGGCTGCCAGTTGCCAGTCTACCACGGT  
CGGAGGTAACCTTCTGGCTCCAGTCACACGACCAGATAAAGTGGTGTGTGGGCATGAATTATGTGGA  
CCACTGCAAAGAACAGAACGTGCCCGTGCCCAAGGAGCCCATCATCTCAGCAAGTTGCCAGCTCCATC  
GTGGGGCCCTATGATGAGGTGGTCTCCACCACAGAGCCAGGAGGTAGATTGGGAAGTGGAGCTGGCCG  
TGGTCATTGAAAAGAAAGGCAAGCACATCAAGGCCACAGATGCTATGGCCACGTGGCCGGCTTCACTGT  
GGCTCATGACGTGAGTGCCTGCTGACTGGCAATGAGACGTAATGGGAAACAATGGCTGCTGGGAAAAAC  
TTCGACACCTTCTGCCCTCTGGGCCCTGCCTTGGTGACCAAGGACAGTGTAGCAGATCCACACACTTAA  
AGATCTGCTGCCGAGTGAATGGGAAGTGGTCCAGAGCGGCAACCAACCAGATGGTATTCAAGACAGA  
GGACCTGATAGCCTGGGTCTCCAGTTTGTACCTTTACCCAGGGGATGTCATCCTAACTGGGACCC  
CCAGGTGTCGGTGTATTCAGGAACTCCTGTCTTCTCAAGAAGGGGGATGAAGTCCAGTGTGAGATTG  
AAGAAGTGGTGCATCATCAACAAGGTGGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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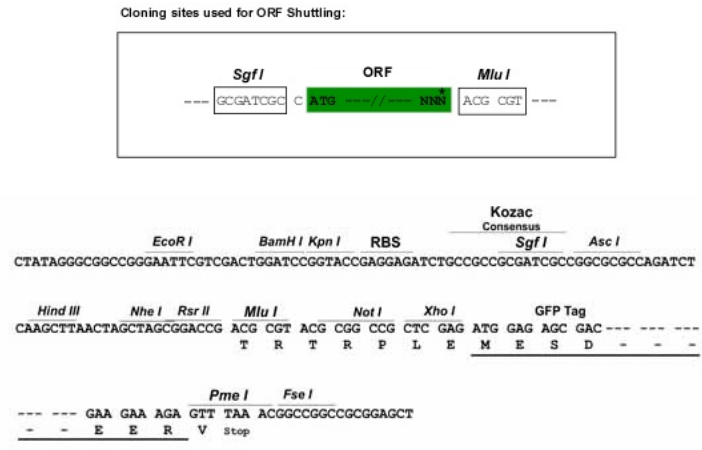
**Protein Sequence:** >RG211128 representing NM\_016044  
 Red=Cloning site Green=Tags(s)

MLVSGRRRLLTVLLQAQKWPFPQSRDMRLVQFRAPHLVGPLHGLETGNGGGVINLNAFDPTLPKTMQFL  
 EQGEATLSVARRALAAQLPVLPRSEVTF LAPVTRPDKVVCVMNYVDHCKEQNPVPKEPIIFSKFASSI  
 VGPYDEVVLPQSQEVDWEVELAVVIGKKGKHIKATDAMAHVAGFTVAHDVSARDWQMRRNGKQWLLGKT  
 FDTFCPLGPALVTKDSVADPHNLKICCRVNGEVVQSGNTNQMFVKTEDLIAWVSQFVTFYPGDVILGTGP  
 PGVGVFRKPPVFLKKGDEVQCEIEELGVIINKVV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_016044

**ORF Size:** 942 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\\_016044.3](#)

**RefSeq Size:** 1298 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 51011

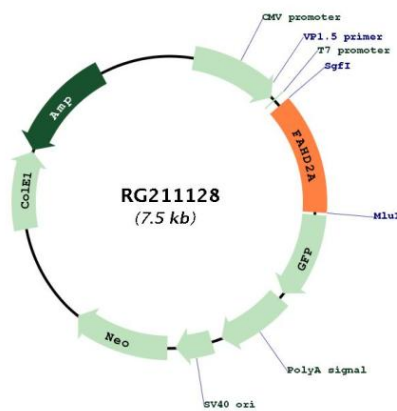
**UniProt ID:** [Q96GK7](#)

**Cytogenetics:** 2q11.1

**Domains:** FAA\_hydrolase

**Gene Summary:** May have hydrolase activity.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG211128