

Product datasheet for **RR214646**

Fahd2a (NM_001134834) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fahd2a (NM_001134834) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fahd2a
Synonyms:	Fahd2; RGD1563674
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214646 representing NM_001134834 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGGGCTCTGGTAGAAGGAGGTTGCTGTCAACTCTGCTGCAGGTTTCTGAGAGGCCCCTGTCAACCT
GCAGAAATATGAGACTGGTACAGTTCCAGGCACCTCACCTGGAAGAGCCTCACGTGGGCCTAGAGTCAGG
GATTGGTGGGGGAGTTGTAGACCTAAACACCTTTGACCCAGCGCTCCCAAGACAATGGTGCAGTTCCTG
GAGCGGGGAGAGACTGCCCTTTCGGTGGCAAGAAGAGCCCTGGCTGCCAGTTGCCACTCATCCCTCGGT
CACAGGTGACCTTCTTAGCCCCTGTACCCGGCCAGACAAGGTGATATGTGTGGGCTTGAATTATGCAGA
CCACTGTCAAGAACAGAACGTGCGGGTGCCAAGAATCCCATCATCTTCAGCAAGTTCTCCAGCTCCATC
GTGGGGCCCTATGACAGCATCATCTCCACCAGAGAGTAAGGAAGTTGACTGGGAGGTGGAGATGGCCG
TGGTCATTGGGAAGAAAGGCAACACATCAAGGCCACAGATGTCATGGCTTACGTGGCTGGCTTCACTGT
GGCTCATGATGTGAGTGTCTGGGACTGGCAAATGAGAAATGAAAGCAGTGGTTACTGGGAAAACTTTT
GATACTTTCTGCCCCCTGGGCCCTGCCTTGTTACCAAGGATACCATAGCAGATCCACACAATCTAAGA
TCTCCTGTGAGTGAATGGGAGATTGTCCAGAGCAGCAACCAACCAGATGGTGTTCAGACTGAAGA
TCTGATAGCCTGGGTCTCCAGTTTGTCACTCTGTACCCAGGGGACATTCTCCTGACTGGGACTCCTCCA
GGTGTGCGCATGTTTAGGAAGCCTCCTGTCTTTCTCAAGAAGGGTGATGAAGTCCAGTGTGAGATTGAAG
AGCTTGGTGTGCATCATCAACAAGGTGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214646 representing NM_001134834
 Red=Cloning site Green=Tags(s)

MLGSGRRRLSTLLQVQKRPCQPCRNMLVQFQAPHLEEPHVGLSEGGGGVVDLNTFDPALPKTMVQFL
 ERGETALSVARRALAAQLPLIPRSQVTFAPVTRPDKVICVGLNYADHCQEQNVRVPKNPIIFSKESSSI
 VGPYDSIILPPESKEVDWEVEMAVVIGKKGKHIKATDVMAYVAGFTVAHDVSARDWQMRNGKQWLLGKTF
 DTFCLPALVTKDTIADPHNLKISCRVNGEIVQSSNTNQMVFKTEDLIAWVSQFVTLYPGDILLTGTPP
 GVMFRKPPVFLKKGDEVQCEIEELGVIINKVV

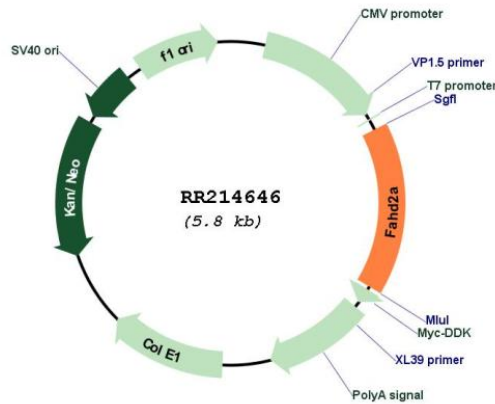
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134834

ORF Size: 939 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:	<ol style="list-style-type: none"> 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_001134834.1 , NP_001128306.1
RefSeq Size:	1257 bp
RefSeq ORF:	942 bp
Locus ID:	296131
UniProt ID:	B2RYW9
Cytogenetics:	3q36
MW:	34.6 kDa
Gene Summary:	May have hydrolase activity.[UniProtKB/Swiss-Prot Function]