

## Product datasheet for **RG215874**

### KDM3A / JHDM2A (KDM3A) (NM\_018433) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KDM3A / JHDM2A (KDM3A) (NM_018433) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KDM3A / JHDM2A
Synonyms:	JHDM2A; JHMD2A; JMJD1; JMJD1A; TSGA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215874 representing NM_018433 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGCTCACGCTCGGAGAAAGTTGGCCGGTATTGGTGGGGAGGAGTTTCTCAGTCTGTCCGACGCCG  
ACGGCAGCGATGGCAGCCACGACAGCTGGGACGTGGAGCGCGTCGCCGAGTGGCCCTGGCTCTCCGGGAC  
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TGGTTTTAGCTGAACGAAAGTCACCTGAAATTTCTGAACGAATTGTACAGTGGCCTGCAATAACGTACAA  
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TAACCTTGGAGCAAAAATTCCTCAAGGATGTCATAAAACAAAGTTTACCAGAGGAAAATTTCTTCTGTCTA  
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GTAGATAATGAAAGCTGTTGTTCAAGAAGCAACAATAAAATCCAGAATGCCCATCCAGGAAGTCGGTTT  
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CACAGACTCATACCAATCACGAAGATAAATTACAGGTGAAGAATGTTATCTACCATGCAGTGAAGATGC  
AGTTGCTATGCTGAAAGCCAGTGAATCCAGTTTTGGCAAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215874 representing NM\_018433  
 Red=Cloning site Green=Tags(s)

MVLTLGESWPVLVGRFRLSL SAADGSDGSHDSWDVERVAEWPWLSGTIRAVSHTDVTKKDLKVCVEFDGE  
 SWRKRRIEIVSYLLRRAFLVEHNLVLAERKSPEISERIVQWPAITYKPLLDKAGLSITSVRFLGDQQRV  
 FLSKDLLKPIQDVNSLRSLTDNQIVSKEFQALIVKHLDESHLLKGDKNLVGSEVKIYSLDPSTQWF SAT  
 VINGNPASKTLQVNCEEIPALKIVDPSLIHVEVVHDNLVTCGNSARIGAVKRKSSENNGTLVSKQAKSCS  
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 VDNESSCRSNNKIQNAPSRKSVLTDPAKLKLLQSGEAFVQDDSCVNIVAQLPKCRECLDSLKDKKEQ  
 QKDSPVFCRFFHFRRLQFNKHGVL RVEGFLTPNKYDNEAIGLWLP LTKNVVGDLDLDTAKYILANIGDHF  
 QMVI SEKEAMSTIEPHRQVAWKRAVKGVREMCVCDTTIFNLHWVCPRCGFGVCVDCYMRKRKNCQQGAA  
 YKTF SWLKC VKSQIHEPENL MPTQIIPGKALYDVGDIVHSVRAKWKIGKANCPCSNRQFKLFSKPASKEDL  
 KQTS LAGEKPTLGA VLQQNPSVLEPAAVGGEAASKPAGSMKPAC PASTSPLNWLADL TSGNVNKENKEKQ  
 PTMPILKNEIKL PPLPPLSKSSTVLHFTFNSTILTPVSNNNSGFLRNLLNSSTGKTENGLKNTPKILDDI  
 FASLVQNKTTSDLSKRPQGLTIKPSILGFDTPHYWLCDNRLCLQDPNNKSNWNV FRECWKQGPVMVSG  
 VHHKLNSELWKPE SFRKEFGEQEVDLVNCR TNEIITGATVGD FWDGFE DVPNRLKNEKPMV LKLDWPP  
 GEDFRDMMPSRFDDL MANIPLPEYTRRDGKLN L ASRLPNYFVRPDLGPKMYNAYGLITPEDRKYGTNLH  
 LDVSDAANVMVYVGI PKGQCEQEEV LKTIQDGDSE LTIKRFIEGKEKPGALWHIYAAKDEKIREFLK  
 KVSEEQGQENPADHPI HDQSWYLD RSLRKRLHQEYGVQGWAI VQFLGDVVFIPAGAPHQVHNL YSICKV  
 AEDFVSPEHVKHCFWL TQEF RYLSQTHTNHEDKLQVKNVIYHAVKDAVAMLKASESSFGPK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

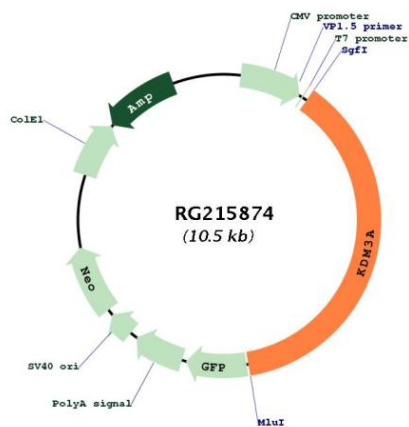


ACCN: NM\_018433

ORF Size: 3963 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_018433.6</a>
<b>RefSeq Size:</b>	4718 bp
<b>RefSeq ORF:</b>	3966 bp
<b>Locus ID:</b>	55818
<b>UniProt ID:</b>	<a href="#">Q9Y4C1</a>
<b>Cytogenetics:</b>	2p11.2
<b>Domains:</b>	JmjC
<b>Gene Summary:</b>	This gene encodes a zinc finger protein that contains a jumonji domain and may play a role in hormone-dependent transcriptional activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RG215874