

Product datasheet for RC200574L4

KDM4A (NM_014663) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM4A (NM_014663) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	KDM4A
Synonyms:	JHDM3A; JMJD2; JMJD2A; TDRD14A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200574).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

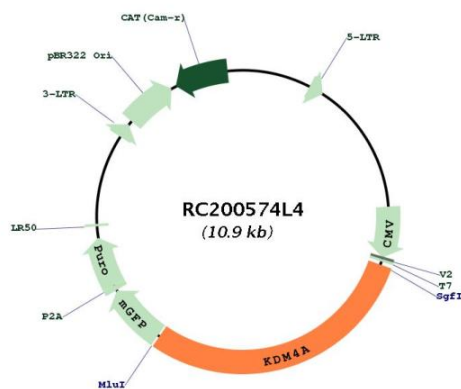
ACCN:	NM_014663
ORF Size:	3192 bp



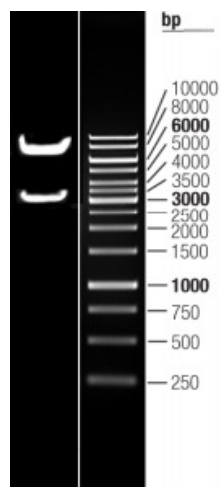
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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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_014663.2 , NP_055478.1
RefSeq Size:	4526 bp
RefSeq ORF:	3195 bp
Locus ID:	9682
UniProt ID:	O75164
Cytogenetics:	1p34.2-p34.1
Domains:	PHD, TUDOR, JmjC, JmjN
Protein Families:	Druggable Genome, Transcription Factors
MW:	120.7 kDa
Gene Summary:	This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein containing a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor. [provided by RefSeq, Apr 2009]

Product images:



Circular map for RC200574L4



Double digestion of RC200574L4 using SgfI and MluI