

Product datasheet for **RG229079**

KDM5D (NM_001146706) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KDM5D (NM_001146706) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KDM5D
Synonyms:	HY; HYA; JARID1D; SMCY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229079 representing NM_001146706 Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG229079 representing NM_001146706
 Red=Cloning site Green=Tags(s)

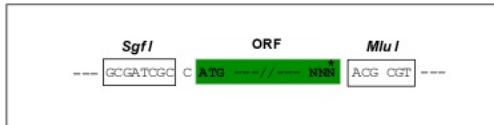
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```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Kozac
Consensus

EcoRI BamHI KpnI RBS SgfI AscI

CTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCCGCGCAGATCT

HindIII NheI RsrII MluI NotI XhoI GFP Tag

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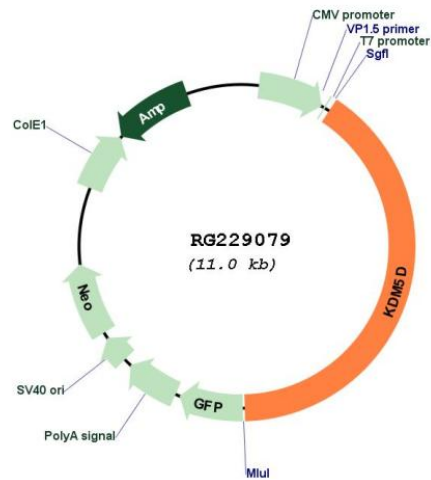
T R T R P L E M E S D - - - - -

PmeI FseI

- - - GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT

- - - E E R V Stop

Plasmid Map:



ACCN: NM_001146706

ORF Size: 4446 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_001146706.2
RefSeq Size:	5331 bp
RefSeq ORF:	4449 bp
Locus ID:	8284
UniProt ID:	Q9BY66
Cytogenetics:	Yq11.223
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a protein containing zinc finger domains. A short peptide derived from this protein is a minor histocompatibility antigen which can lead to graft rejection of male donor cells in a female recipient. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]