OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR231542

Mllt10 (NM_001252560) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mllt10 (NM_001252560) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mllt10
Synonyms:	Af10; B130021D15Rik; D630001B22Rik; mKIAA4140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR231542 representing NM_001252560
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCTCTAGCGACCGGCCCGTGTCACTGGAGGACGAGGTCTCCCATAGTATGAAGGAAATGATTGGAG
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CAGCGTCGCGGTGCATCAAGCTTGCTATGGCATTGTTCAAGTACCTACTGGACCGTGGTTTTGTAGGAAA
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TCTCACCTCTCAGTTTCTTCTGCTTCACCAACATCGTCCGTAGCATCAGCTGCAGGAAGTGTAACAAGCT
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Protein Sequence:

>MR231542 representing NM_001252560
Red=Cloning site Green=Tags(s)

MVSSDRPVSLEDEVSHSMKEMIGGCCVCSDERGWAENPLVYCDGHGCSVAVHQACYGIVQVPTGPWFCRK
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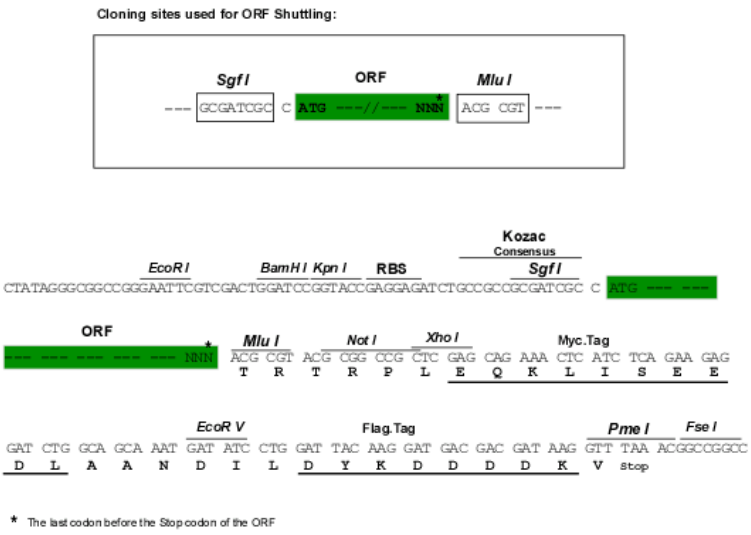
Restriction Sites: SgfI-MluI

Cloning Scheme:



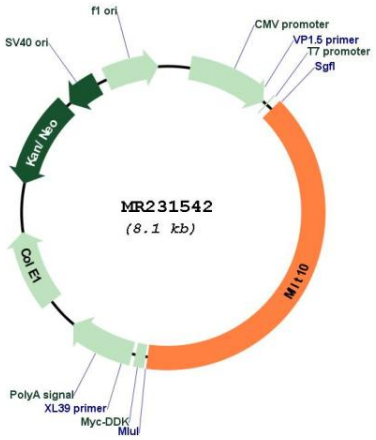
ACCN:	NM_001252560
ORF Size:	3204 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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_001252560.1, NP_001239489.1
RefSeq Size:	5065 bp
RefSeq ORF:	3207 bp
Locus ID:	17354
UniProt ID:	O54826

Cytogenetics: 2 A3

MW: 113 kDa

Gene Summary: Probably involved in transcriptional regulation. Binds to cruciform DNA (By similarity). In cells, binding to unmodified histone H3 regulates DOT1L functions including histone H3 'Lys-79' dimethylation (H3K79me2) and gene activation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231542