

Product datasheet for **MR224561**

MIlt3 (NM_027326) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIlt3 (NM_027326) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MIlt3
Synonyms:	2210011H10Rik; 2610012I03Rik; 3830408D16Rik; Af9; D4Ertd321e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

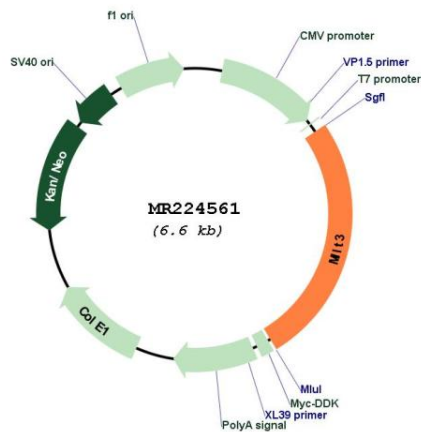


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RefSeq: [NM_027326.3, NP_081602.3](#)
RefSeq Size: 6129 bp
RefSeq ORF: 1710 bp
Locus ID: 70122
UniProt ID: [A2AM29](#)
Cytogenetics: 4 41.06 cM
MW: 63.8 kDa

Gene Summary: Chromatin reader component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. Specifically recognizes and binds acylated histone H3, with a marked preference for histone H3 that is crotonylated. Crotonylation marks active promoters and enhancers and confers resistance to transcriptional repressors. Recognizes and binds histone H3 crotonylated at 'Lys-9' (H3K9cr), and with slightly lower affinity histone H3 crotonylated at 'Lys-18' (H3K18cr). Also recognizes and binds histone H3 acetylated at 'Lys-9' (H3K9ac), but with lower affinity than crotonylated histone H3. In the SEC complex, MLLT3 is required to recruit the complex to crotonylated histones.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224561