

Product datasheet for **MR224878L4V**

Aff4 (NM_033565) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aff4 (NM_033565) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aff4
Synonyms:	AF5Q31; Alf4; Laf4l; MCEF
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_033565
ORF Size:	3483 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224878).
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.
RefSeq:	NM_033565.2 , NP_291043.1
RefSeq Size:	10165 bp
RefSeq ORF:	3483 bp
Locus ID:	93736
UniProt ID:	Q9ESC8
Cytogenetics:	11 B1.3



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Gene Summary:

Key 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. In the SEC complex, AFF4 acts as a central scaffold that recruits other factors through direct interactions with ELL proteins (ELL, ELL2 or ELL3) and the P-TEFb complex. In case of infection by HIV-1 virus, the SEC complex is recruited by the viral Tat protein to stimulate viral gene expression (By similarity).[UniProtKB/Swiss-Prot Function]