

Product datasheet for **MR200135L4V**

Lsm6 (NM_030145) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lsm6 (NM_030145) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lsm6
Synonyms:	1500031N17Rik; 2410088K19Rik; AI747288
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_030145
ORF Size:	243 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200135).
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_030145.1
RefSeq Size:	3702 bp
RefSeq ORF:	243 bp
Locus ID:	78651
UniProt ID:	P62313
Cytogenetics:	8 C1



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Gene Summary:

Plays role in pre-mRNA splicing as component of the U4/U6-U5 tri-snRNP complex that is involved in spliceosome assembly, and as component of the precatalytic spliceosome (spliceosome B complex). The heptameric LSM2-8 complex binds specifically to the 3'-terminal U-tract of U6 snRNA. Component of LSm protein complexes, which are involved in RNA processing and may function in a chaperone-like manner, facilitating the efficient association of RNA processing factors with their substrates. Component of the cytoplasmic LSM1-LSM7 complex, which is thought to be involved in mRNA degradation by activating the decapping step in the 5'-to-3' mRNA decay pathway.[UniProtKB/Swiss-Prot Function]