

Product datasheet for RC226663L3

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

MSL2L1 (MSL2) (NM_001145417) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MSL2L1 (MSL2) (NM_001145417) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: MSL2L1

Synonyms: MSL-2; MSL2L1; RNF184

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

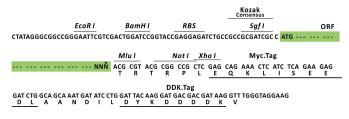
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC226663).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001145417

ORF Size: 1734 bp





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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: <u>NM 001145417.1</u>, <u>NP 001138889.1</u>

 RefSeq Size:
 3895 bp

 RefSeq ORF:
 1512 bp

 Locus ID:
 55167

 UniProt ID:
 Q9HCI7

 Cytogenetics:
 3q22.3

Protein Families: Druggable Genome

MW: 62.5 kDa

Gene Summary: Component of histone acetyltransferase complex responsible for the majority of histone H4

acetylation at lysine 16 which is implicated in the formation of higher-order chromatin structure. Acts as an E3 ubiquitin ligase that promotes monoubiquitination of histone H2B at

'Lys-35' (H2BK34Ub), but not that of H2A. This activity is greatly enhanced by

heterodimerization with MSL1. H2B ubiquitination in turn stimulates histine H3 methylation at 'Lys-4' (H3K4me) and 'Lys-79' (H3K79me) and leads to gene activation, including that of

HOXA9 and MEIS1.[UniProtKB/Swiss-Prot Function]