

Product datasheet for **SC127078**

MSL2L1 (MSL2) (NM_018133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL2L1 (MSL2) (NM_018133) Human Untagged Clone
Tag:	Tag Free
Symbol:	MSL2L1
Synonyms:	MSL-2; MSL2L1; RNF184
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC127078 sequence for NM_018133 edited (data generated by NextGen Sequencing)

```

ATGAACCCCGTGAATGCTACTGCTCTACATTCCGCGAGCCGCTAGTGCTCAACTAC
GACCCCGGAGACCCCAAGGCGTTTACTGAGATTAACAGGCTCTTGCTTACTTCCGACAG
TCCCTTTCGTGCTGTGTTTGGGACATTTGCTACAAGATCCTATTGCACCCCAACTCC
ACCTGCCAACATTATGTCTGCAAACTTGTAAAGGCAAGAAAATGATGATGAAACCTTCC
TGTAGCTGGTGCAAAGACTATGAGCAGTTTGGGAAAACAAGCAGTTAAGCATCCTAGTG
AACTGCTACAAAAAATATGCGAGTATATAACACAGACTACACTGGCAGCGGATATAATA
GAAGCAGTTGACTGTTCTTCTGATATTTTGGCTTGTCTAATGATGGATCATTGTTTTGT
GAGGAGACAGAAAAACCCTCAGATTCATCCTTTACTTTGTGTTGACACATTCCCCTTTA
CCTTCAACCTCAGAACCACAAGTATCCTCAAGCTAGTTTATCTCCAATGTCTGAAAGC
ACCCTCAGCATTGCTATTGGCAGTTCTGTTATCAATGGTTTGCCTACTTATAATGGGCTT
TCAATAGATAGATTTGGTATAAATATTCCTTACCTGAACATTCAAATACGATTGACGTA
TGTAATACTGTTGACATAAAAACTGAGGATCTGTCTGACAGCCTGCCACCCGTTTGTGAC
ACAGTAGCCACTGACTTATGTTCCACAGGCATTGATATCTGCAGTTTCAGTGAAGATATA
AAACCTGGAGACTCTCTGTTACTGAGTGTGAGGAAGTACTCCGAGCTTAGAAACTGTT
TCAAATACAGAGGTCTGTTGCCCTAATTTGCAGCCGAAGTTGGAAGCCACTGTATCCAAT
GGACCTTTTCTGCAGCTTCTTCCCAGTCTTTAGCCATAATGTTTTATGTCCACCAGT
CCTGCACCTTATGGGTTATCATGTACAGCAGCAACTCCGAAGATAGCAAAATTTGAATAGA
AAACGATCCAGATCAGAGAGTGACAGTGAGAAAGTTTACGCCACTTCCAATTTCTACCATT
ATCCGAGGCCAACACTGGGGGCATCTGCTCCTGTGACAGTGAACGGGAGAGCAAAAT
TCTCTTCAACCTATAGCAACTGTTCCAATGGAGGCACAACACCTAAAATCAGCAAACT
GTACTTTTACTACTAAAAGCATGAAAAAGAGTCATGAACATGGATCCAAGAAAATCTCAC
TCTAAAACCAAGCCAGGTATTCTTAAAAAAGACAAGCAGTAAAGGAAAAGATTCTCAGT
CATCATTTTATGCCAGGAAGTCTACCAAGACTGTGTACAAAAAACCCAGGAAAAGAAA
GGGTGTAATGTGGGCGTCTACTCAAAATCCAAGTGTCTTACATGCCGAGGCCAACGC
TGCCCTTGCTACTCTAACCGCAAAGCCTGCTTAGATTGTATATGTCGTGGCTGCCAAAAC
TCCTATATGGCCAATGGGAGAAGAAGCTGGAGGCATTTGCCGTGCCAGAAAAGGCTTG
GAGCAGACCAGGCTCACTTTGGCATTAACTGACTAGCATTGCTGTGCGTAACGCTAGT
ACCAGCACCAGTGAATAAATGTCACAGGGTCCCAGTAACGACGTTTTTAGCTGCCAGT
ACACATGATGATAAAAGTTTGGATGAAGCTATAGACATGAGATTCGACTGTTAA

```

Clone variation with respect to NM_018133.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_018133 unedited

```

GGGGTTCACAATTGTATACGACTCATATAGCGGCCGCGAAAATTCGCACGAGGCAAACTT
GCACGGATTTTGGTTACTTGTTTGGCCAATGGTTCGGCTCTGATTTCTTCCGAATTGTTG
CAAATTCGCCATCGTTCCCTGGCTGCTTACTAAGTTGGATCCGGAATTTCTTTTCAACCG
GGAGCCATTGGTGTGCAAGTGTCTGCAATGAACCCCGTGAATGCTACTGCTCTCTACATT
TCCGCGAGCCGCTAGTCTCAACTACGACCCCGGAGACCCCAAGGCGTTTACTGAGATT
AACAGGCTCTTGCCCTTACTTCCGACAGTCCCTTTCGTGCTGTGTTTGGGACATTTGCTA
CAAGATCCTATTGCACCCACCAACTCCACCTGCCAACATTATGTCTGCAAACTTGTAAG
GGCAAGAAAATGATGATGAAACCTTCTGTAGCTGGTGCAGAACTATGAGCAGTTTGGAG
GAAAACAAGCAGTTAAGCATCCTAGTGAAGTCTACAAAAAATATGCGAGTATAAACA
CAGACTACACTGGCAGCGGATATAATAGAAGCAGTTGACTGTTCTCTGATATTTTGGCT
TTGCTTAATGATGGATCATTGTTTTGTGAGGAGACAGAAAAACCCTCAGATTCATCCTTT
ACTTTGTGTTTGCACATTCCCCTTTACCTTCAACCTCAGAACCACAAGTATCCTCAA
GCTAGTTTATCTCCAATGTCTGAAAGCACCCCTCAGCATTGCTATTGGCAGTTCTGTTATC
AATGGTTTGCCTACTTATAATGGGCTNTCAATAGATAGATTTGGTATAAATATTCCTTCA
CCTGAACATTCAAATACGATTGACGTATGAATACTGTTGACATAAAAACTNGAGATCTG
TCTGACAGCCTGNCACCCCGTTGT

```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018133 unedited NGGGTATTCTATGNACCGCGCCGATTCTANGATCGATTTTTTTTTTTTTTTTTTTTCA TTTTCCACCATTACTCTTGTTATCAAAAAAGTTCAACTCTTCTTGCAAAAACAAAAACAA AATAGTACATACTGGACACATACATCACATTTTCTTCTATGGCTTTAGCCACCCCCA CCCCACAAAAGAGACCAAAAAAAAAAAAAAAAAAGCCCAACAACAACAACAAAA CAACTCTACCTGACCACATTCACAGAAAATGACACCAGGATACACTACAAAACAGAAGGA GGTGTCATCTGCTGTGTGCCAAAGTTTCTTCTCCATGTCTTGTACTAGGCGAGTAACC ATCATTGAACATGCTGTGTGCCAAATCAAACATAAATTTCAGCATATGTCAGATCTTACT AGAGATGGTGAACGTAGTAGAAATTGGAAATTTCCAGCAGTATTTTTCTTTAAATAAGC ACTGTCAAAGCTGCAGCTCTTCTTTTAAATCACAGTTATTTTATTACACCTAGTCAGTC CTTGTTTTATTTGGGCTGTGCTCTTTCAAGCAACTGACTAGATTTCCCTTCAACAGAATG TTTGTGACTCACTTGTCTTCCCCATAAAAATTAACCGGAAGAAGTCATTTAAACTGAAA CATACTTTGTGCTTTACATGCAAAGAGCATTCTAAAGAAAATCCTCCTAGCTTCAACCT ACCTAAATGCACAGGCTTTATAAAAAGGCATTNCTATTAGGCCTATAAAGAAGCCTTC ATATGAACAGCACCTTAAAAAACTAGGAGCATATTCAAATAAGACTGTGGCANATAAC TATTAGAGAAATAGTCAAGTGGCGGGCAGTGGGCATAGTACATACACAATCTGGGCAGTC TGGAGCATT
Restriction Sites:	NotI-NotI
ACCN:	NM_018133
Insert Size:	4000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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_018133.2</u> , <u>NP_060603.2</u>
RefSeq Size:	4696 bp
RefSeq ORF:	1734 bp
Locus ID:	55167
UniProt ID:	<u>Q9HCI7</u>
Cytogenetics:	3q22.3
Protein Families:	Druggable Genome

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 histone 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]

Transcript Variant: This variant (1) encodes the longer isoform (1).