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Product datasheet for SC326485

MSL2L1 (MSL2) (NM_001145417) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: MSL2L1 (MSL2) (NM_001145417) Human Untagged Clone

Tag: Tag Free

Symbol: MSL2

Synonyms: MSL-2; MSL2L1; RNF184

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001145417, the custom clone sequence may differ by one or more nucleotides
ATGATGATGAAACCTTCCTGTAGCTGGTGCAAAGACTATGAGCAGTTTGAGGAAAACAAG
CAGTTAAGCATCCTAGTGAACTGCTACAAAAAACTATGCGAGTATATAACACAGACTACA
CTGGCACGGGATATAATAGAAGCAGTTGACTGTTCTTCTGATATTTTGGCTTTGCTTAAT
GATGGATCATTGTTTTGTGAGGAGACAGAAAAACCCTCAGATTCATCCTTTACTTTGTGT
TTGACACATTCCCCTTTACCTTCAACCTCAGAACCCACAACTGATCCTCAAGCTAGTTTA
TCTCCAATGTCTGAAAGCACCCTCAGCATTGCTATTGGCAGTTCTGTTATCAATGGTTTG
CCTACTTATAATGGGCTTTCAATAGATAGATTTGGTATAAATATTCCTTCACCTGAACAT
TCAAATACGATTGACGTATGTAATACTGTTGACATAAAAACTGAGGATCTGTCTGACAGC
CTGCCACCCGTTTGTGACACAGTAGCCACTGACTTATGTTCCACAGGCATTGATATCTGC
AGTTTCAGTGAAGATATAAAACCTGGAGACTCTCTGTTACTGAGTGTTGAGGAAGTACTC
CGCAGCTTAGAAACTGTTTCAAATACAGAGGTCTGTTGCCCTAATTTGCAGCCGAACTTG
GAAGCCACTGTATCCAATGGACCTTTTCTGCAGCTTTCTTCCCAGTCTCTTAGCCATAAT
GTTTTTATGTCCACCAGTCCTGCACTTCATGGGTTATCATGTACAGCAGCAACTCCGAAG
ATAGCAAAATTGAATAGAAAACGATCCAGATCAGAGAGTGACAGTGAGAAAGTTCAGCCA
CTTCCAATTTCTACCATTATCCGAGGCCCAACACTGGGGGCATCTGCTCCTGTGACAGTG
AAACGGGAGAGCAAAATTTCTCTTCAACCTATAGCAACTGTTCCCAATGGAGGCACAACA
CCTAAAATCAGCAAAACTGTACTTTTATCTACTAAAAGCATGAAAAAGAGTCATGAACAT
GGATCCAAGAAATCTCACTCTAAAACCAAGCCAGGTATTCTTAAAAAAGACAAAGCAGTA
AAGGAAAAGATTCCTAGTCATCATTTTATGCCAGGAAGTCCTACCAAGACTGTGTACAAA
AAACCCCAGGAAAAGAAAGGGTGTAAATGTGGGCGTGCTACTCAAAATCCAAGTGTTCTT
ACATGCCGAGGCCAACGCTGCCCTTGCTACTCTAACCGCAAAGCCTGCTTAGATTGTATA
TGTCGTGGCTGCCAAAACTCCTATATGGCCAATGGGGAGAAGAAGCTGGAGGCATTTGCC
GTGCCAGAAAAGGCCTTGGAGCAGACCAGGCTCACTTTGGGCATTAACGTGACTAGCATT
GCTGTGCGTAACGCTAGTACCAGCACCAGTGTAATAAATGTCACAGGGTCCCCAGTAACG
ACGTTTTTAGCTGCCAGTACACATGATGATAAAAGTTTGGATGAAGCTATAGACATGAGA
TTCGACTGT

Restriction Sites: Please inquire

ACCN: NM_001145417

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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_001145417.1, NP_001138889.1
RefSeq Size:	3895 bp
RefSeq ORF:	1512 bp
Locus ID:	55167
UniProt ID:	Q9HCI7
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 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] Transcript Variant: This variant (2) uses an alternate 5' end exon, therefore, has a different 5' UTR compared to transcript variant 1. This results in translation initiation from an in-frame downstream AUG and an isoform (2) with a shorter N-terminus compared to isoform 1.