

Product datasheet for **SC120262**

MSL3L1 (MSL3) (NM_078629) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL3L1 (MSL3) (NM_078629) Human Untagged Clone
Tag:	Tag Free
Symbol:	MSL3L1
Synonyms:	MRSXBA; MRXS36; MRXSBA; MSL3L1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_078629, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGCGAGCGAGGGCATGAAATTTAAATTCCAAGTCCAGGGGAGAAAGTGTGTGCTTCGAGCCTGACC
CCACCAAGGCGGAGTGTGTACGATGCCAAGATTGTTGATGTTATTGTTGGGAAAGACGAAAAAGGCAG
AAAGATCCCAGAATATCTGATCCATTTTAAATGGTTGGAACAGAAGCTGGGATAGATGGGCAGAGAAGAT
CATGTGCTTCGTGATACCGATGAAAATCGTAGATTACAGCGTAAATTGGCAAGAAAAGCTGTAGCTCGCC
TGAGGAGCACAGGAAGAAAGAAGACGCTGCAGGTTGCCTGGTGTGGACTCTGTCTTAAAAAGCCTCCC
CACTGAAGAAAAAGATGAAAATGATGAAAACCTATTAAGCAGTTCCTCTGACTGTAGTAAAAACAAGGAT
GAAGAAAATAAGTGAAGAAAGTATTTGAAGAAAAGACTGAAAGTGAAGAAAGAACCAGAGCTTCAAACAA
GAAGGGAAATGGAAGAAAGAACAATAACTATAGAAATCCCTGAAGTCTGAAGAAGCAGCTGGAGGATGA
TTGTTACTACATTAACAGGAGGAAACGGTTAGTGAACCTCCATGCCAGACCAACATCATAACGATTTTG
GAATCCTATGTGAAGCATTTTGTATCAATGCAGCCTTTTCAGCCAATGAGAGGCCTCGTACCATCAGG
TTATGCCACATGCCAACATGAACGTGCATTATATCCCAGCAGAAAAGAATGTTGACCTTTGTAAGGAGAT
GGTGGATGGATTAAGAATAACCTTTGATTACACTCTCCGTTGGTTTTACTCTATCCATATGAACAAGCT
CAGTATAAAAAGGTGACTTCGTCTAAATTTTTCTTCCAATTAAGGAAAGTGCCACAAGCACTAACAGGA
GCCAGGAGGAACTCTCTCCAGTCCGCCTTTGTTGAATCCATCCAGCCACAGTCCACAGAGAGTCAAGCC
GACCACCGGTGAACCAGCCACCCCAAAAGGCGCAAGACTGAGCCAGAAGCATTGCGACTCTGAGGCGG
TCCACGCGCCACAGTGCCAAGTGTGACAGGCTTTCTGAGAGCAGCGCTTACCTCAGCCCAAGCGCCGGC
AGCAGGACACATCCGCCAGCATGCCAAGCTCTTCTGCACCTGGAAAAGAAGACACCTGTGCATAGCAG
ATCATCTTACCTATTCTCTGACTCCTAGCAAGGAAGGAGTGTGTGTTTGTGGCTTTGAAGGGAGA
AGAATAATGAAATAAACGAGGTCTCTCTGGAAGCTTGTGCTGACAATTACCCCAAGGAGTACCAGC
CGCTCCACCCTTTACATTTTATGGGGCACAACTTTGCTGCGATTGTTTGTGAAACTCCAGAAATCCT
TGGAAAGATGTCTTTTCTGAGAAGAATCTGAAGGCTTTATTGAAGCACTTTGATCTTTTTGAGGTTT
TTAGCAGAATACCACGATGACTTCTTCCAGAGTGGCTTATGTCGCTGCCTGTGAGGCACATTACAGCA
CCAAGAACCCCGGGCAATTTATTA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_078629 unedited

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GCATTTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGGCGCGCTCCGC
CCGCCCCGGAGCCTCGCCCTCCGCCACGATGAGCAAAATGAGCGCGAGCGAGGGCATGAAA
TTAAATTTCCAAGTCCAGGGGAGAAAGTGTGTGCTTCGAGCCTGACCCACCAAGGCGCGA
GTGCTGTACGATGCCAAGATTGTTGATGTTATTGTTGGGAAAGACGAAAAAGGCAGAAAG
ATCCCAGAATATCTGATCCATTTTAAATGGTTGGAACAGAAGCTGGGATAGATGGGCAGCA
GAAGATCATGTGCTTCGTGATACCGATGAAAATCGTAGATTACAGCGTAAATTGGCAAGA
AAAGCTGTAGCTCGCCTGAGGAGCACAGGAAGAAAGAAGACGCTGCAGGTTGCCTGGT
GTGGACTCTGTCTTAAAAAGCCTCCCACTGAAGAAAAAGATGAAAATGATGAAAACCTCA
TTAAGCAGTTCCTCTGACTGTAGTGAACAAGGATGAAGAAATAAGTGAAGAAAGTGTAT
ATTGAATGAAAAGACTGAAGTGAAGAAGAACCAGAGCTTCAAACAAGAAGGAAATGGA
AGAAAAGAACAATAACTATAGAAATCCCTGAAGTCTGAAGAAGCAGCTGGAGGATGATTG
TACTACATTAACAGGAGGAAACGGTTAGTGAACCTCCATGCCAGACCAACATCATAAC
GATTTTGAATCCTATGTGAAGCATTTTGTATCAATGCAGCCTTTTCAGCCAATGAGAG
GCCTCGTACCATCACGTTATGCCACATGCCAACATGGAACGTGCATTATATCCCAGCAG
AAAAGGATGTTGACCTTTGTAAGAGATGGTGGATGGATTAAGAATAACCTTTGATACAC
TCTCCCGTGGGTTTACTCTATCCTATGAACAGCTCAGTATAAAAAGTACTTCTCTAA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_078629 unedited CGCAATCTAGAGTCGAGTNNNTTNTTTAAAAACAA AACAGGCTTTATTTAAATCACCAAAAAATAACTTTTTACAGAAAGGGAACCATAACTTTAC ACAACAAAGTATAGCTGTAAAATCTCAAATAAAAAAGGCAATGCTTTCTTTAAATCACCA AAAATAATGTTTCACAAAAAGGGAACCGTTAAAACCAATGCATACCTGCAAATTTCTT TTGCCATCAATATCGATTCCCTCTAAAAACTTTGAAACTACTTTGGGGTTTCCAAGTAC AACTAAACCTTTTTGGACAAAGTTGCTCGGCTTCATCAAAAAATAAACCCATTTGGCA AAAAAAAATTTGTTAATGCTAACAAATAAGAAACAATGGGGTTCTTGCTAACTAACTG CAATGTCTACTGAAATGGCCTAACCTATTCCACGAATATTTCACTGAGAACATAGTTGCT TTTTCTTGCCATCACAGATGGCCTGCAAATAACAAGTGTGCGTGTCAAACCACTTTCAGG CACCCAGGGAATCATTCTACAGAATAACTGCAGTTTGTGGGCACCTCAAACAACAGAGC CCCAGTGGCCATTGTGTTTGCCTGGGGTAAAGACCACCACCTTGTTAGTTATCCCCCT GAAACCCAGAGCGCCAACTAACAGAGCATTGCTCTTACAGAACCAACACATTTTAAT AATTGCCCGGAGTTCTGTGCCGTAATGGCCTAACAGCACGAACCTTAACCCGCTCTTGA AAAATTCCTCGGGTTTCTGCTAAAACCCAAAAAAAACAAGGCTCCATAAAGCCTTAA TTCTCAAAAAAGACTTCTTCAAGATTTTGAATTTCCCAACATCCAACAATGTGGCCCT AATTTAAAGGGGAGCCGTGCCCGGGGATTGCAGCCAACCTCAGAAAGACCTCTTTTTTA TTTTCCCTAACAC
Restriction Sites:	NotI-NotI
ACCN:	NM_078629
Insert Size:	2500 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_078629.1, NP_523353.1</u>
RefSeq Size:	2343 bp
RefSeq ORF:	1566 bp
Locus ID:	10943
UniProt ID:	<u>Q8N5Y2</u>
Cytogenetics:	Xp22.2
Domains:	CHROMO

Protein Families: Transcription Factors

Gene Summary: This gene encodes a nuclear protein that is similar to the product of the Drosophila male-specific lethal-3 gene. The Drosophila protein plays a critical role in a dosage-compensation pathway, which equalizes X-linked gene expression in males and females. Thus, the human protein is thought to play a similar function in chromatin remodeling and transcriptional regulation, and it has been found as part of a complex that is responsible for histone H4 lysine-16 acetylation. This gene can undergo X inactivation. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 2, 7 and 8. [provided by RefSeq, Jul 2010]
Transcript Variant: This variant (1) encodes the longest isoform (a).