

Product datasheet for **SC110205**

MSL3L1 (MSL3) (NM_006800) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL3L1 (MSL3) (NM_006800) 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)
Fully Sequenced ORF:	>OriGene ORF within SC110205 sequence for NM_006800 edited (data generated by NextGen Sequencing)

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ATGGAAGAAAGAACAATAACTATAGAAATCCCTGAAGTTCCTGAAGAAGCAGCTGGAGGAT
GATTGTTACTACATTAACAGGAGGAAACGGTTAGTGAAACTTCCATGCCAGACCAACATC
ATAACGATTTTGGAAATCCTATGTGAAGCATTGCTATCAATGCAGCCTTTTCAGCCAAT
GAGAGGCCTCGTCACCATCACGTTATGCCACATGCCAACATGAACGTGCATTATATCCCA
GCAGAAAAGAAATGTTGACCTTTGTAAGGAGATGGTGGATGGATTAAGAATAACCTTTGAT
TACTACTCTCCCGTTGGTTTTACTCTATCCATATGAACAAGCTCAGTATAAAAAGGTGACT
TCGTCTAAATTTTTCTCCAATTAAGGAAAGTGCCACAAGCTAACAGGAGCCAGGAG
GAACTCTCTCCAGTCCGCTTTGTTGAATCCATCCACGCCACAGTCCACAGAGAGTCAG
CCGACCACGGTGAACCAGCCACCCCAAAAGGCGCAAAGCTGAGCCAGAAGCATTGCAG
TCTCTGAGGCGGTCCACGCGCCACAGTGCCAAGCTGACAGGCTTCTGAGAGCAGCGCT
TCACCTCAGCCAAAGCGCCGCGCAGCAGGACACATCCGCCAGCATGCCAAAGCTCTTCCTG
CACCTGGAAAAGAAGACACCTGTGCATAGCAGATCATCTTACCTATTCTCTGACTCCT
AGCAAGGAAGGGAGTGTGTGTTTGCTGGCTTTGAAGGGAGAAGAACTAATGAAATAAAC
GAGGTCCTCTCCTGGAAGCTTGTGCCTGACAATTACCCCCAGGTGACCAGCCGCTCCA
CCCTCTTACATTTATGGGGCACAACATTTGCTGCGATTGTTTGTGAAACTTCCAGAAATC
CTTGAAAAGATGTCTTTTCTGAGAAGAATCTGAAGGCTTTATTGAAGCACTTTGATCTC
TTTTTTGAGTTTTTAGCAGAATACCACGATGACTTCTTCCAGAGTCGGCTTATGTGCGT
GCCTGTGAGGCACATTACAGCACCAAGAACCCCGGGCAATTTATTAA

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Clone variation with respect to NM_006800.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006800 unedited</p> <pre>TACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGAGCGCGAGCGAGGGCATGAAA TTTAAATTCCTACTCAGGGGAGAAAGTGCTGTGCTTCGAGCCTGACCCACCAAGGCGCGA GTGCTGTACGATGCCAAGATTGTTGATGTTATTGTTGGGAAAGACGAAAAAGGCAGAAAG ATCCCAGAATATCTGATCCATTTAATGGTTGGAACAGAAGCTGGGATAGATGGGCAGCA GAAGATCATGTGCTTCGTGATACCGATGAAAATCGTAGATTACAGCGTAAATTGGCAAGA AAAGCTGTAGCTCGCCTGAGGAGCACAGGAAGAAAGAAGAAGCGCTGCAGGTTGCCTGGT GTGGACTCTGTCTTAAAAGGCCTCCCCTGAAGAAAAAGATGAAAATGATGAAAACCTCA TTAAGCAGTTCCTCTGACTGTAGTGAAAACAAGGATGAAGAAAATAAGTGAAGAAAGTGAT ATTGAAGAAAAGACTGAAGTGAAGAAGAACCAGAGCTTCAAACAAGAAGGAAATGGAA GAAAGAACAATAACTATAGAAATCCCCTGAAGTTCTGAAGAAGCAGCTGGAGGATGATTG TTACTACATTAACAGGAGGAAACGGTTAGTGAAACTTCCATGCCAGACCAACATCATAAA CGATTTGGAATNCTATGTGAAGCATTTTGTATCAATGCAGCCTTTTCAGCCAATGAGAG GCCTCGTACCATCACGTTATGCCACATGCCAACATGAACGTGCATTATATCCCAGCAGA AAAGAATGTTGACCTTTGTANGGAGNATGNNGGATGGATAANAAATAACCTTTGATTACA CTCTCCCGGTGGNTTTACTCTATCCATAATGACAAGCTCAGTTTAAAAAGGTGACTCG CCTAAATTTTTCTCAATTAAGAAAAGTGCCCCAGCCCTATCCGGAGCCCGAAGTACTT TTCCCATCCGGCCTTGTTGATTCTCCCCGCCAGTCCAAGGAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006800 unedited</p> <pre>ATGGACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCTTTCAAACAAG AACAGGCTTTATTTAGATCACAAAAAATAACATTTTACAGAAAGGGAACCATAACATTAC ACAACAAAGTATAGCTGTAAAATCTCAAATAAGAAAGGCAATGCTTTCTTTAGATCACCA AAAATAATGTTTTACAGAGAGGGAACCGTTAGAAGCAAATGCATAGCTGCAAATTTTCTT TTGCCATCAATATCGATTCCCTCTAAAATACTTTGAGACTACTTTGTGGTTTTCCGAGTAC AACTAAACCTTTTTGGACAGAGTTGCTCGGCTTCATCAAAAAATAAAACCAATTTGCA AAAAAATTTGTTAATGCTAACAAATAAAGAGACAATGTGGTCTTGCTAACTAACTGC AATGTCTACTGAAATGGCCTAACCTATTCACGAATATTTCACTGTGAACATAGTTGCTT TTTCTTGCCATCACAGATGGCCTGCAAAGTACAAGTGTGCGTGTGAGAGCACTTTCAGG CACCCAGGGAATCATTCTAACAGAATAACTGCAGTATGTGGGCAACTCAAACAACAGAG CCCCAAGGTGGCATTGTGTTTGGCGTGTGGGTAAGAGCCACCACCTTTGTTAGTTATTC ACCCTGGACCCAGAGCGCAAACCTAGACAGAGCAGTTGCTCTTACAGAACCAACAACATT NTAATAAATTGCCCGGGGGTCTTGGTGCTGNTATGTGCCTCACAGGCAGCGACATAAGC CGACTCTGGGAAAGAGTCATCGTGGTATTCTGCTAAAACTCAAAGAGATCAAGTGCTT CATAAAGCCTTCAGATNCTCTAGAAAAGACATCTTTCAGGATTTCTGGAAGTTCACAACA TCGCACAATGTTGTGCCATAATGC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006800
Insert Size:	2340 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:

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_006800.2](#), [NP_006791.2](#)

RefSeq Size: 2305 bp

RefSeq ORF: 1068 bp

Locus ID: 10943

UniProt ID: [Q8N5Y2](#)

Cytogenetics: Xp22.2

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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon, compared to variant 1. The resulting isoform (c) is 166 aa shorter shorter at the N-terminus, compared to isoform a.