

Product datasheet for **MC203705**

Msl3 (NM_010832) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Msl3 (NM_010832) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Msl3
Synonyms:	AU018931; Msl3l1; Msl31
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC010226
 CCGACGCGTGGGCGGACGCGTGGGCGATGAGCAAATGAGCGCGAGCGAGGGCATGAAATTTCAATCCAC
 TCTGGGGAGAAAGTGTGTGCTTCGAGCCTGACCCTACCAAGGCGCGAGTGTGTACGATGCCAAGTTGG
 GATAGATGGGCAGCTGAAGAACATGTGCTACACGATACAGATGAAAACCGGAGATTACAGCGCAAATGG
 CCAAAAAAGCAATAGCTCGCCTGAGAGGTACAGGAAAAAAGAAGAGGCGCTGTAGTTGCCTGGTGCGA
 CTCTGTCTTAAAAAGCGTGCCAGTTAAAGAAAAATCTAAAAATGACGAAAACTCAGTAAGCAGCACCTGT
 CATGAGAGCTGTGGAGAAAAAGAATGGAGGGATAAAAAGAACACCGTCAGCGTCGTATTAAGTAAAGGCTA
 AAGCGAAAAAAAAGGTATTGTGCTGCGTTCAAGAAAGGAAATGGATGAAAGAACAATCACTATAGATAT
 CCCCAGTGTCTCAAGAAGCAGCTAGAGGATGACTGTTACTATATCAACAGGAGGAAACGGTTAGTGAAA
 CTTCCATGCCAGACCAACATCATAACAATTTTGGAAATCCTATGTGAAACATTTTGTATTAATGCAGCCT
 TTTGCGCCATGAGAGGCCTCGTCACCATCATGCCATGATGCACACGCACATGAATGTGCACTACGTC
 AGCTGAAAAGAATGTTGACCTTTGTAAGGAAATGGTGGATGGATTACGAATAACCTTTGATTATACGCTC
 CCATTAGTGTGCTCTACCCATATGAACAAACCAATATAAACGGGTGACATCGTAAAAATTTTTCTTC
 CTATTAAGGAAAGTACCACGACAACTAATAGGAGCCAGGAAGAGCTGTCTCTAGCCCGCTTTGTTGAA
 TCCATCCACACCACAGTCTACAGAGAGTCAGCCACCTACTGGTGAACCAGCCACCCCAAGAGGCGCAA
 GCCGAGCCAGAAGCACTGCACTCTCTCAGGCGGTCCACAAGGCACAGCAACAATGTGACAGGCTGTCTG
 AGAGCAGCTCCTCCCCTCAGCCGAAGCGCCGGCAACAGGACACATCTGCCAGCATGCCGAAGCTGTTTCT
 GCATTGGAAAAGAAGACACCTGTGCACAGCAGATCATCTTCCCCATTCTCTGACTCCAAGTAAGGAT
 GGGAGTGTGTATTTGCTGGCTTTGAAGGGAGAAGACCAATGAAATCAATGAGGTCTGTCTTGGAAAAC
 TTGTGCTGACAATATCCGCCAGGAGACCAGCCACCTCCCCCTCGTACATTTATGGTGACAGCATT
 GCTCCGGTATTTGTGAAACTCCAGAAATCCTTGGGAAGATGTCCTTCTGAGAAGAATCTGAAGGCT
 TTAAGTGAAGCACTTTGATCTCTTTCTGAGGTTTTAGCAGAATACCATGATGACTTCTTCCCGAGTCGG
 CTTATGTGCTGCCTGTGAGGCACACTACAGCACCAAGAACCCAGGGCAATTTATAAACTTTTGTGATGG
 TTCTGTAAAAACAACCTGCACTATGTGGCTTTATACTTTAGGTCCAGGTGAAGTGTTAATGAGATGCTAG
 ACCTATCTGGGGTACTCTGACAGAAACAGGCTCTGGTTTTTTTTTGTGTTCTGCACATTCTATTATTT
 CTGTTAAGAATTTTCTGAGCTCACCATGGTGGTCCATGCCTATGGGGAGGAGTCGATTTAATTAAT
 TAATTCATCTTTTTTTTTAAAAAATGACTGATTACTTCTGGGTGCCTGAACATATCCAAAAGTAACA
 CTGCTACACAAGCTGTGTGCTAGCAGGCTAAAAACAGCCATAGCTGTCTTCATAGGGATATGCCATG
 AACGTACTTAGGTTAAACATTATTCTGGTAGACAGCGCAGGTGGTGTAGCAAGGACCATACTGTTT
 GATTACTTGTAAATGTTAAACAAAAATGGTTTTGAAAAGTGTCTTCTGTTCAACAGATCTTAGTCAGTGC
 TTGGAAGCCGCAAGCACTCTCAAAGTATTTCTGAGGGAATTGATATGGGTGGCAAAGGAGAACTTACAG
 CTATGCATTGCTGTAGCAGTTCCTTTCTCAGAAACATTATTTTTGTTGCTCTAAATAAAGCATTGCCCT
 GTCTTGTGTTGAGATTTTACAGCCATACTCTGCTATGTAATGTTATAGTTCCTTTTCTATGAAATGTTATT
 TTGGGTGATCTAAATAAAGCTTTGCCAGTTTTGTTTGAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: RsrII-NotI

ACCN: NM_010832

Insert Size: 1401 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: [BC010226](#), [AAH10226](#)

RefSeq Size: 2359 bp

RefSeq ORF: 1401 bp

Locus ID: 17692

UniProt ID: [Q9WVG9](#)

Cytogenetics: X F5

Gene Summary: Has a role in chromatin remodeling and transcriptional regulation. Has a role in X inactivation. Component of the MSL complex which is responsible for the majority of histone H4 acetylation at 'Lys-16' which is implicated in the formation of higher-order chromatin structure. Specifically recognizes histone H4 monomethylated at 'Lys-20' (H4K20Me1) in a DNA-dependent manner and is proposed to be involved in chromosomal targeting of the MSL complex.[UniProtKB/Swiss-Prot Function]