

Product datasheet for **MR207442**

Msl3 (NM_010832) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Msl3 (NM_010832) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Msl3
Synonyms:	AU018931; Msl3l1; Msl31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207442 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAAGTTGGGATAGATGGGCAGCTGAAGAACATGTGCTACACGATACAGATGAAAACCGGAGATTAC
 AGCGCAAATTGGCCAAAAAGCAATAGCTCGCCTGAGAGGTACAGGAAAAAGAAAGAGGCGCTGTAGGTT
 GCCTGGTGTGACTCTGTCTTAAAAAGCGTGCCAGTTAAAGAAAAATCTAAAAATGACGAAAACTCAGTA
 AGCAGCACCTGTCATGAGAGCTGTGGAGAAAAGAAATGGAGGGATAAAAGAACACCGTCAGCGTCGTATTA
 AAGTAAAGGCTAAAGCGAAAAAAAGGTATTGTCGCTGCGTTCAAGAAAGGAAATGGATGAAAGAACAAT
 CACTATAGATATCCCGATGTTCTCAAGAAGCAGCTAGAGGATGACTGTTACTATATCAACAGGAGGAAA
 CGGTTAGTAAACTTCCATGCCAGACCAACATCATAACAATTTTGAATCCTATGTGAAACATTTTGCTA
 TTAATGCAGCCTTTTCGGCCAATGAGAGGCCTCGTCACCATCATGCCATGATGCACACGCACATGAATGT
 GCACTACGTCACGCTGAAAAGAATGTTGACCTTTGTAAGGAAATGGTGGATGGATTACGAATAACCTTT
 GATTATACGCTCCATTAGTGTTGCTCTACCCATATGAACAAACCAATATAAACGGGTGACATCGTCAA
 AATTTTTTCTTCTATTAAGGAAAGTACCACGACAACATAAGGAGCCAGGAAGAGCTGTCTCTAGCCC
 GCCTTTGTTGAATCCATCCACACCACAGTCTACAGAGAGTACGCCACCTACTGGTGAACCAGCCACCCCC
 AAGAGGCGCAAAGCCGAGCCAGAAGCACTGCAGTCTCTCAGGCGGTCCACAAGGCACAGCACCAATTGTG
 ACAGGCTGTCTGAGAGCAGCTCCTCCCCCAGCCGAAGCGCCGGCAACAGGACACATCTGCCAGCATGCC
 GAAGCTGTTTCTGCACTTGAAAAAGAAGACACCTGTGCACAGCAGATCATTTCCCCCATTCTCTGACT
 CCAAGTAAAGATGGGAGTGTGTATTGCTGGCTTTGAAGGGAGAAGACCAATGAAATCAATGAGGTCC
 TGTCTTGAAACTTGTGCCTGACAATTATCCGCCAGGAGACCCACCTCCCCCTCGTACATTATGG
 TGCACAGCATTTGCTCCGGTTATTTGTGAAACTTCCAGAAATCCTTGGGAAGATGTCCTTCTCTGAGAAG
 AATCTGAAGGCTTTACTGAAGCACTTTGATCTCTTTCTGAGGTTTTTAGCAGAATACCATGATGACTTCT
 TCCCGGAGTCGGCTTATGTCGCTGCCTGTGAGGCACACTACAGCACCAAGAACCAGGCAATTTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207442 protein sequence
 Red=Cloning site Green=Tags(s)

MPSWDRWAAEEHVLHDTDENRRLQRKLAKKAIARLRGTGKKKRRRCRLPGVDSVLKSVPVKEKSKNDENS
 SSTCHESCGEKNGGIKEHRQRIKVKAKAKKKVLSLSRKEMDERTITIDIPDLKKQLEDDCYINRRK
 RLVKLPQCQTNIIITILESIVKHFAINAAF SANERPRHHHAMMHTMNVHYVPAEKNVDLCKEMVDGLRITF
 DYTLPVLLYPYEQTYKRVTSKFFLPIKESTTTNRSQEELSPSPLLNPSTPQSTESQPPPTGEPATP
 KRRKAPEALQSLRRSTRHSTNCDRLSESSSPQPKRRQDTSASMPKFLHLEKTPVHSRSSSPIPLT
 PSKDGS AVFAGFEGRRPNEINEVLSWKLVPDNYPPGDQPPPPSYIYGAQHLLRFLVKLPEILGKMSFSEK
 NLKALLKHFDLFLRFLAEYHDDFFPESAYVAACEAHYSTKNPRAIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

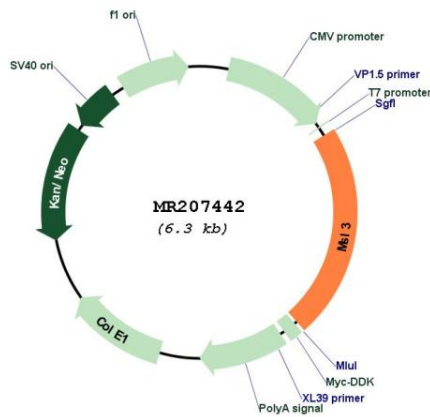
Sgfl-Mlul

Cytogenetics: X F5

MW: 53.5 kDa

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]

Product images:



Circular map for MR207442