

Product datasheet for RC217895

MSL3L1 (MSL3) (NM_078628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL3L1 (MSL3) (NM_078628) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MSL3L1
Synonyms:	MRSXBA; MRXS36; MRXSBA; MSL3L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217895 representing NM_078628 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGCGAGCGAGGGCATGAAATTTAAATCCACTCAGGGGAGAAAGTCTGTGCTTCGAGCCTGACC
CCACCAAGGCGCGAGTGTGTACGATGCCAAGATTGTTGATGTTATTGTTGGGAAAGACGAAAAAGGCAG
AAAGATCCAGAATATCTGATCCATTTTAAATGGTTGGAACAGAAGCTGGGATAGATGGGCAGCAGAAGAT
CATGTGCTTCGTGATACCGATGAAAATCGTAGATTACAGCGTAAATTGGCAAGAAAAGCTGTAGCTCGCC
TGAGGAGCACAGGAAGAAAGAAGAGCGCTGCAGGTTGCCTGGTGGACTCTGTCTTAAAAGGCCTCCC
CACTGAAGAAAAAGATGAAAATGATGAAAACCTATTAAGCAGTTCCTCTGACTGTAGTAAAAACAAGGAT
GAAGAAATAAGTGAAGAAAGTGATATTGAAGAAAAGACTGAAGTGAAGAAAGAACCAGAGCTTCAAACAA
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TTGTTACTACATTAACAGGAGGAAACGGTTAGTGAAAATCCATGCCAGACCAACATCATAACGATTTTG
GAATCCTATGTGAAGCATTGCTATCAATGCAGCCTTTTCAGCCAATGAGAGGCCTCGTCACCATCACG
TTATGCCACATGCCAACATGAACGTGCATTATATCCCAGCAGAAAAGAATGTTGACCTTTGTAAGGAGAT
GGTGGATGGATTAAGAATAACCTTTGATTACACTCTCCCGTTGGTTTTACTCTATCCATATGAACAAGCT
CAGTATAAAAAGGTGACTTCGTCTAAATTTTTTCTTCCAATTAAGGAAAGTGCCACAAGCCTAACAGGA
GCCAGGAGGAACTCTCTCCAGTCCGCCTTTGTTGAATCCATCCAGCCACAGTCCACAGAGAGTCAGCC
GACCACCGGTGAACCAGCCACCCCAAAAAGGCGCAAAGCTGAGCCAGAAGCATTGCACTCTCTGAGCGCG
TCCACGCGCCACAGTGCCAACCTGTGACAGGCTTTCTGAGAGCAGCGCTTACCTCAGCCCAAGCGCCGGC
AGCAGGACACATCCGCCAGCATGCCAAGCTCTTCTGCACCTGGAAAAGAGTAGGTTTCATTCTCGGGTG
CCCCAGGCCGGGAGAGCCAGCGTGTACTTTGTGTTTAGTCAGTGCCAGGCATGGTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217895 representing NM_078628
Red=Cloning site Green=Tags(s)

MSASEGMKFKFHSGEKVLCFEPDPTKARVLYDAKIVDVI VGKDEKGRKIPEYLIHFNGWNRSDRWAAED
HVL RDTDENRRLQRKLARKAVARLRSTGRKKKRCRLPGVDSVLKGLPTEEKDENDENLS SSSSDCSENKD
EEISEESDIEEKTEVKEEPELQTRREMEERTITIEIPEVLKKQLEDCCYINRRKRLVKLPCQTNIIITIL
ESYVVKHFAINAAFSANERPRHHVMPHANMNVHYIPAENVDLCKEMVDGLRITFDYTLPLVLLYPYEQA
QYKKVTSKFFLPKESATSTNRSQEELSPSPPLLNPSTPQSTESQPTTGEPATPKRRKAEPEALQSLRR
STRHSANCDRLSESSASPQPKRRQDTSASMPKLFHLEKSRF ILGCPRPGRASYVVFVSQCQAWC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6480_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_078628

ORF Size: 1248 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_078628.1](#), [NP_523352.1](#)

RefSeq Size: 3564 bp

RefSeq ORF: 1251 bp

Locus ID: 10943

UniProt ID: [Q8N5Y2](#)

Cytogenetics: Xp22.2

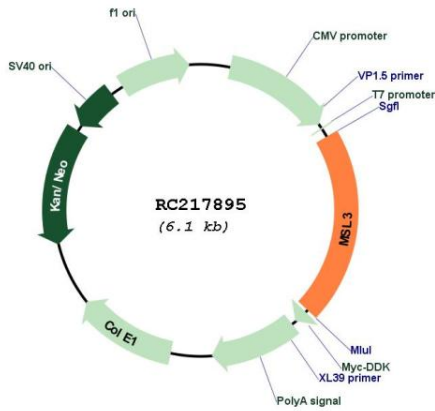
Domains: CHROMO

Protein Families: Transcription Factors

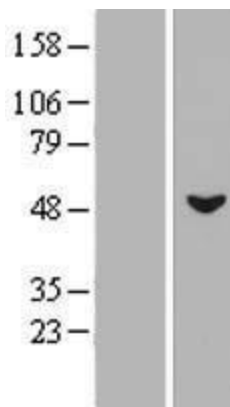
MW: 47.8 kDa

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]

Product images:



Circular map for RC217895



Western blot validation of overexpression lysate (Cat# [LY409197]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217895 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).