

Product datasheet for **RG206888**

MSL3L1 (MSL3) (NM_078629) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL3L1 (MSL3) (NM_078629) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MSL3L1
Synonyms:	MRSXBA; MRXS36; MRXSBA; MSL3L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206888 representing NM_078629
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAGCGCGAGCGAGGGCATGAAATTTAAATTCCTCAGGGGAGAAAGTCTGTCTTCGAGCCTGACC
 CCACCAAGGCGCGAGTGCTGTACGATGCCAAGATTGTTGATGTTATTGTTGGGAAAGACGAAAAAGGCAG
 AAAGATCCAGAATATCTGATCCATTTTAAATGGTTGGAACAGAAGCTGGGATAGATGGGCAGCAGAAGAT
 CATGTGCTTCGTGATACCGATGAAAATCGTAGATTACAGCGTAAATTTGGCAAGAAAAGCTGTAGCTCGCC
 TGAGGAGCACAGGAAGAAAGAAGAGCGCTGCAGGTTGCCTGGTGTGGACTCTGTCTTAAAGGCCTCCC
 CACTGAAGAAAAAGATGAAAATGATGAAAATCATTAAAGCAGTTCCTCTGACTGTAGTGAACAAGGAT
 GAAGAAATAAGTGAAGAAAGTATATTGAAGAAAAGACTGAAGTGAAGAAAGAACAGAGCTTCAAACAA
 GAAGGGAAATGGAAGAAAGAACAAATAACTATAGAAATCCCTGAAGTTCTGAAGAAGCAGCTGGAGGATGA
 TTGTTACTACATTAACAGGAGGAAACGGTTAGTGAACCTCCATGCCAGACCAACATCATAACGATTTTG
 GAATCCTATGTGAAGCATTTTGCTATCAATGCAGCCTTTTCAGCCAATGAGAGGCCCTCGTACCATCACG
 TTATGCCACATGCCAACATGAACGTGCATTATATCCCAGCAGAAAAGAATGTTGACCTTTGTAAGGAGAT
 GGTGGATGGATTAAGAATAACCTTTGATTACACTCTCCCGTTGGTTTTACTCTATCCATATGAACAAGCT
 CAGTATAAAAAGGTGACTTCGTCTAAATTTTTCTTCCAATTAAGGAAAGTGCCACAAGCACTAACAGGA
 GCCAGGAGGAACCTCTCTCCAGTCCGCCTTTGTTGAATCCATCCACGCCACAGTCCACAGAGAGTCAGCC
 GACCACCGGTGAACAGCCACCCCAAAAGGCGCAAGCTGAGCCAGAAGCATTGCAGTCTCTGAGGCGG
 TCCACGCGCCACAGTGCCAACTGTGACAGGCTTTCTGAGAGCAGCGCTTACCTCAGCCCAAGCGCCGGC
 AGCAGGACACATCCGCCAGCATGCCAAGCTCTTCTGCACCTGGAAAAGAAGACACCTGTGCATAGCAG
 ATCATCTTCACCTATTCTCTGACTCCTAGCAAGGAAGGAGTGTGTGTTTGCTGGCTTTGAAGGGAGA
 AGAACTAATGAAATAAACGAGGTCTCTCTGGAAGCTTGTGCCTGACAATTACCCCCAGGTGACCAGC
 CGCCTCCACCCTTTACATTTATGGGGCACAACATTTGCTGCGATTGTTTGTGAACTTCCAGAAATCCT
 TGGAAAGATGCTCTTTCTGAGAAGAATCTGAAGGCTTTATTGAAGCACTTTGATCTCTTTTGGAGTTT
 TTAGCAGAATACCAGATGACTTCTTCCAGAGTCGGCTTATGTCGCTGCCTGTGAGGCACATTACAGCA
 CCAAGAACCCCGGGCAATTTAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206888 representing NM_078629
 Red=Cloning site Green=Tags(s)

MSASEGMKFKFHSGEKVLCEPDPTKARVLYDAKIVDVIVGKDEKGRKIPEYLIHFNWNRSWDRWAAED
 HVLRTDENRRLQRKLARKAVARLRSTGRKKRCRLPGVDSVLKGLPTEEKDENDENSLSSSDCSENKD
 EEISESDIEEKTEVKPELQTRREMEERTITIEIPEVLKKQLEDDCYINRRKRLVKLPCQTNIITIL
 ESYVKHFAINAAFSANERPRHHVMPHANMNVHYIPAENVDLCKEMVDGLRITFDYTLPLVLLYPYEQ
 QYKKVTSSKFFLPIKESATSTNRSQEELSPSPLLNPSTPQSTESQPTTGEPATPKRRKAEPALQSLRR
 STRHSANCDRLSESSASPQPKRRQDTSASMPKFLHLEKTPVHSRSSPIPLTPSKEGSAVFAGFEGR
 RTNEINEVLWKLVPDNYPPGDQPPPPSYIYGAQHLLRLFVKLPEILGKMSFSEKNLKALLKHFDFLRF
 LAEYHDDFFPESAYVAACEAHYSTKNPRAIY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_078629

ORF Size: 1563 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_078629.4](#)

RefSeq Size: 2343 bp

RefSeq ORF: 1566 bp

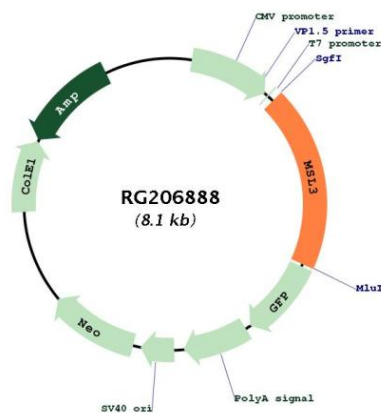
Locus ID: 10943

UniProt ID: [Q8N5Y2](#)

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 <i>Drosophila</i> male-specific lethal-3 gene. The <i>Drosophila</i> 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 RG206888