

## Product datasheet for **RG222303**

### **MSL3L1 (MSL3) (NM\_006800) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MSL3L1 (MSL3) (NM_006800) 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:**

>RG222303 representing NM\_006800  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCGCGAGCGAGGGCATGAAATTTAAATCCACTCAGGGGAGAAAGTGTGTCTTCGAGCCTGACC  
 CCACCAAGGCGGAGTGTGTACGATGCCAAGATTGTTGATGTTATTGTTGGGAAAGACGAAAAAGGCAG  
 AAAGATCCAGAATATCTGATCCATTTTAAATGGTTGGAACAGAAGCTGGGATAGATGGGCAGCAGAAGT  
 CATGTGCTTCGTGATACCGATGAAAATCGTAGATTACAGCGTAAATGGCAAGAAAAGCTGTAGCTCGCC  
 TGAGGAGCACAGGAAGAAAGAAGAGCGCTGCAGGTTGCCTGGTGTGGACTCTGTCTTAAAAGGCCCTCCC  
 CACTGAAGAAAAAGATGAAAATGATGAAAACCTATTAAGCAGTTCCTCTGACTGTAGTAAAAACAAGGAT  
 GAAGAAAATAAGTGAAGAAAGTATTGAAGAAAAGACTGAAGTGAAGAAAGAACCAGAGCTTCAAACAA  
 GAAGGGAAATGGAAGAAAGAACAATAACTATAGAAATCCCTGAAGTCTGAAGAAGCAGCTGGAGGATGA  
 TTGTTACTACATTAACAGGAGGAAACGGTTAGTGAACCTCCATGCCAGACCAACATCATAACGATTTTG  
 GAATCCTATGTGAAGCATTGCTATCAATGCAGCCTTTTCAGCCAATGAGAGGCCCTCGTACCATCAGG  
 TTATGCCACATGCCAACATGAACGTGCATTATATCCCAGCAGAAAAGAATGTTGACCTTTGTAAGGAGAT  
 GGTGGATGGATTAAGAATAACCTTTGATTACACTCTCCCGTTGGTTTTACTCTATCCATATGAACAAGCT  
 CAGTATAAAAAGGTGACTTCGTCTAAATTTTTTCTTCAAATTAAGGAAAGTGCCACAAGCACTAACAGGA  
 GCCAGGAGGAAGCTCTCTCCAGTCCGCCTTTGTTGAATCCATCCACGCCACAGTCCACAGAGAGTCAGCC  
 GACCACCGGTGAACAGCCACCCCAAAAGGCGCAAGCTGAGCCAGAAGCATTGCAGTCTCTGAGGCGG  
 TCCACGCGCCACAGTGCCAACTGTGACAGGCTTCTGAGAGCAGCGCTTACCTCAGCCCAAGCGCCGGC  
 AGCAGGACACATCCGCCAGCATGCCAAGCTCTTCTGCACCTGGAAAAGAAGACACCTGTGCATAGCAG  
 ATCATCTTCACCTATTCCTCTGACTCCTAGCAAGGAAGGAGTGTGTGTTTGTGGCTTTGAAGGGAGA  
 AGAACTAATGAAATAAACGAGGTCTCTCTGGAAGCTTGTGCCTGACAATTACCCCCAGGTGACCAGC  
 CGCTCCACCCTTACATTTATGGGGACAACATTTGCTGCGATTGTTTGTGAACTTCCAGAAATCCT  
 TGGAAAGATGTCCTTTTCTGAGAAGAACTGAAGGCTTTATTGAAGCACTTTGATCTCTTTTGGAGTTT  
 TTAGCAGAATACCAGATGACTTCTTCCAGAGTCGGCTTATGTCGCTGCCTGTGAGGCACATTACAGCA  
 CCAAGAACCCCGGCAATTTAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG222303 representing NM\_006800  
 Red=Cloning site Green=Tags(s)

MSASEGMKFKFHSGEKVLCEPDPKARVLYDAKIVDVIIVGKDEKGRKIPEYLIHFNGWNRSDRWAAED  
 HVLRTDENRRLQRKLARKAVARLRSTGRKKRCRLPGVDSVLKGLPTEEKDENDENSLSSSDCSENKD  
 EEISEESDIEEKTEVKEEPELQTRREMEERTITIEIPEVLKKQLEDCCYINRRKRLVKLPCQTNIIITIL  
 ESYVKHFAINAAFSANERPRHHVMPHANMNVHYIPAENVDLCKEMVDGLRITFDYTLPLVLLYPYEQA  
 QYKKVTSKFFLPIKESATSTNRSQEELSPSPLLNPSTPQSTESQPTTGEPATPKRRKAEPEALQSLRR  
 STRHSANCDRLSESSASPQPKRRQDTSASMPKLFHLEKKTVPVHSRSSSPIPLTPSKEGSVAVFAGFEGR  
 RTNEINEVL SWKLVPDNYPPGDQPPPPSYIYGAQHLLRLFVKLPEILGKMSFSEKNL KALLKHFDFLRF  
 LAEYHDDFFPESAYVAACEAHYSTKNPRAIY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

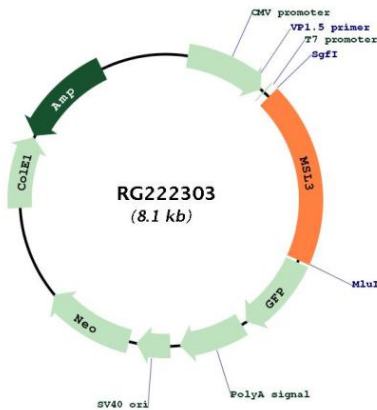
Sgfl-Mlul



**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]

**Product images:**



Circular map for RG222303