

Product datasheet for **RG237808**

MSL3L1 (MSL3) (NM_001282174) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL3L1 (MSL3) (NM_001282174) 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)
ORF Nucleotide Sequence:	>RG237808 representing NM_001282174. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAATGATGAAAACAAAGAAGAACCAGAGCTTCAAACAAGAAGGAAATGGAAGAAAGAACAATA
ACTATAGAAAATCCCTGAAGTTCTGAAGAAGCAGCTGGAGGATGATTGTTACTACATTAACAGGAGGAAA
CGGTTAGTGAACCTCCATGCCAGACCAACATCATAACGATTTTGGATCCTATGTGAAGCATTTTGCT
ATCAATGCAGCCTTTTCAGCCAATGAGAGGCCTCGTCACCATCACGTTATGCCACATGCCAACATGAAC
GTGCATTATATCCAGCAGAAAAGAATGTTGACCTTTGTAAAGGAGATGGTGGATGGATTAAGAATAACC
TTTGATTACACTCTCCCGTTGGTTTTACTCTATCCATATGAACAAGCTCAGTATAAAAAGGTGACTTCG
TCTAAATTTTTCTTCCAATTAAGGAAAGTGCCACAAGCACTAACAGGAGCCAGGAGGAACCTCTCTCCC
AGTCCGCCTTTGTTGAATCCATCCACGCCACAGTCCACAGAGAGTCAGCCGACCACCGGTGAACCAGCC
ACCCCAAAAGGCGCAAAGCTGAGCCAGAAGCATTGCAGTCTCTGAGGCGGTCCACGCGCCACAGTGCC
AACTGTGACAGGCTTTCTGAGAGCAGCGCTTCACTCAGCCCAAGCGCCGCGCAGCAGGACACATCCGCC
AGCATGCCAAGCTTCTCCTGCACCTGAAAAAAGACACCTGTGCATAGCAGATCATCTTCACTATT
CCTCTGACTCCTAGCAAGGAAGGAGTGTGTGTTGTGGCTTTGAAGGGAGAAGAATAATGAAATA
AACGAGGTCTCTCCTGGAAGCTTGTGCCTGACAATTACCCCGAGGTGACCAGCCGCTCCACCCCTCT
TACATTTATGGGCACAACATTTGCTGCGATTGTTGTGAACTTCCAGAAATCCTTGAAGAGATGTC
TTTTCTGAGAAGAATCTGAAGCTTTATTGAAGCACTTTGATCTCTTTTGGAGTTTTTAGCAGAATAC
CACGATGACTTCTCCAGAGTCGGCTTATGTCGCTGCCTGTGAGGCACATTACAGCACCAAGAACCCC
CGGGCAATTTAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237808
 Blue=ORF Red=Cloning site Green=Tag(s)

MKMMKTKEEPELQTRREMEERTITIEIPEVLKKQLEDDCYINRRKRLVKLPCQTNIIITILES YVKHFA
 INAAFSANERPRHHVMPHANMNVHYIPAENVDLCKEMVDGLRITFDYTLPLVLLYPYEQAYKKVTS
 SKFFLPIKESATSNRSQEELSPSPLLNPSTPQSTESQPTTGEPATPKRRKAEPEALQSLRRSTRHSA
 NCDRLSESSASPQPKRRQQDTSASMPKFLHLEKKTTPVHSRSSSPIPLTPSKEGSAVFAGFEGRRTNEI
 NEVLSWKLVPDNYPPGDQPPPPSYIYGAQHLLRFLVKLPEILGKMSFSEKNLKALLKHFDLFLRFLAEY
 HDDFFPESAYVAACEAHYSTKNPRAIY
 TRTRPLEMESDEGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282174

ORF Size: 1116 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).

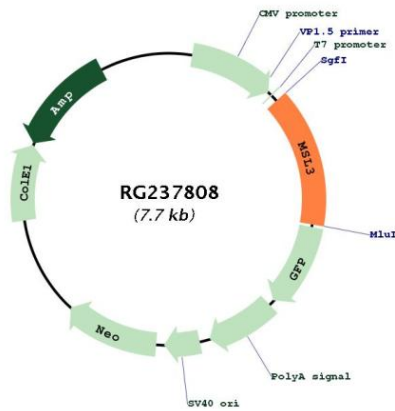
RefSeq: [NM_001282174.1](#), [NP_001269103.1](#)

RefSeq Size: 2276 bp

RefSeq ORF: 1119 bp
 Locus ID: 10943
 UniProt ID: [Q8N5Y2](#)
 Cytogenetics: Xp22.2
 Protein Families: Transcription Factors
 MW: 43.2 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 RG237808