

Product datasheet for **RC237808**

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:	Myc-DDK
Symbol:	MSL3
Synonyms:	MRSXBA; MRXS36; MRXSBA; MSL3L1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237808 representing NM_001282174 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATGATGAAAACAAAGAAGAACCAGAGCTTCAAACAAGAAGGAAATGGAAGAAAGAACAATAA
CTATAGAAATCCCTGAAGTTCTGAAGAAGCAGCTGGAGGATGATTGTTACTACATTAACAGGAGGAAACG
GTTAGTAAAACCTCCATGCCAGACCAACATCATAACGATTTTGGAACTCCTATGTGAAGCATTGCTATC
AATGCAGCCTTTTCAGCCAATGAGAGGCCTCGTCACCATCACGTTATGCCACATGCCAACATGAACGTGC
ATTATATCCCAGCAGAAAAGAATGTTGACCTTTGTAAGGAGATGGTGGATGGATTAAGAATAACCTTTGA
TTACACTCTCCCGTTGGTTTTACTCTATCCATATGAACAAGCTCAGTATAAAAAGGTGACTTCGTCTAAA
TTTTTTCTTCCAATTAAGGAAAGTGCCACAAGCACTAACAGGAGCCAGGAGGAACCTCTCCAGTCCGC
CTTTGTTGAATCCATCCACGCCACAGTCCACAGAGAGTCAGCCGACCACCGGTGAACCAGCCACCCCAA
AAGGCGCAAAGCTGAGCCAGAAGCATTGCAGTCTCTGAGGCGGTCCACGCGCCACAGTGCCAACGTGAC
AGGCTTTCTGAGAGCAGCGCTTACCTCAGCCCAAGCGCCGCGCAGCAGGACACATCCGCCAGCATCCCA
AGCTCTTCTGCACCTGGAAAAGAAGACACCTGTGCATAGCAGATCATCTTACCTATTCTCTGACTCC
TAGCAAGGAAGGAGTGCTGTGTTTGTGGCTTTGAAGGAGAAGAACTAATGAAATAAACGAGGTCCTC
TCTGGAAGCTTGTGCCTGACAATTACCCCCAGGTGACCAGCCGCTCCACCCTTTACATTTATGGGG
CACAACATTTGCTGCGATTGTTTGTGAACTTCCAGAAATCCTTGGAAAGATGTCCTTTTCTGAGAAGAA
TCTGAAGGCTTTATTGAAGCACTTTGATCTCTTTTGGAGTTTTAGCAGAATACCACGATGACTTCTTC
CCAGAGTCGGCTTATGTCGCTGCCTGTGAGGCACATTACAGCACCAAGAACCCCGGCAATTTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237808 representing NM_001282174
Red=Cloning site Green=Tags(s)

MKMMKTKEEPELQTRREMEERTITIEIPEVLKKQLEDDCYINRRKRLVKLPCQNTIITILES YVKHFAI
 NAAFSANERPRHHVMPHANMNVHYIPAEKNVDLCKEMVDGLRITFDYTLPLVLLYPYEQAQYKKTSSK
 FFLPIKESATSTNRSQEELSPSPLLNPSTPQSTESQPTTGEPATPKRRKAEPALQSLRRSTRHSANCD
 RLSESSASPQPKRRQDTSASMPKLFHLLEKKTVPVHSRSSSPIPLTPSKEGSAVFAGFEGRRTNEINEVL
 SWKLVDPDNYPPGDQPPPPSYIYGAQHLLRLFKVLPKPEILGKMSFSEKNLKALLKHFDFLFLFLAEYHDDFF
 PESAYVAACEAHYSTKNPRAIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

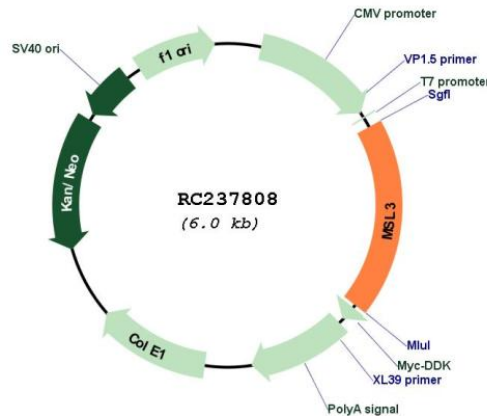
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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_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]