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Product datasheet for SC335702

MSL3L1 (MSL3) (NM_001282174) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL3L1 (MSL3) (NM_001282174) Human Untagged Clone
Tag:	Tag Free
Symbol:	MSL3
Synonyms:	MRSXBA; MRXS36; MRXSBA; MSL3L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335702 representing NM_001282174. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAAAATGATGAAAACTAAAGAAGAACCAGAGCTTCAAACAAGAAGGGAAATGGAAGAAAGAACAATA ACTATAGAAATCCCTGAAGTTCTGAAGAAGCAGCTGGAGGATGATTGTTACTACATTAACAGGAGGAAA CGGTTAGTGAAACTTCCATGCCAGACCAACATCATAACGATTTTGGAATCCTATGTGAAGCATTTTGCT ATCAATGCAGCCTTTTCAGCCAATGAGAGGCCTCGTCACCATCACGTTATGCCACATGCCAACATGAAC GTGCATTATATCCCAGCAGAAAAGAATGTTGACCTTTGTAAGGAGATGGTGGATGGATTAAGAATAACC TTTGATTACACTCTCCCGTTGGTTTTACTCTATCCATATGAACAAGCTCAGTATAAAAAGGTGACTTCG TCTAAATTTTTTCTTCCAATTAAGGAAAGTGCCACAAGCACTAACAGGAGCCAGGAGGAACTCTCTCCC AGTCCGCCTTTGTTGAATCCATCCACGCCACAGTCCACAGAGAGTCAGCCGACCACCGGTGAACCAGCC ACCCCCAAAAGGCGCAAAGCTGAGCCAGAAGCATTGCAGTCTCTGAGGCGGTCCACGCGCCACAGTGCC AACTGTGACAGGCTTTCTGAGAGCAGCGCTTCACCTCAGCCCAAGCGCCGGCAGCAGGACACATCCGCC AGCATGCCCAAGCTCTTCCTGCACCTGGAAAAGAAGACACCTGTGCATAGCAGATCATCTTCACCTATT CCTCTGACTCCTAGCAAGGAAGGGAGTGCTGTGTTTGCTGGCTTTGAAGGGAGAAGAACTAATGAAATA AACGAGGTCCTCTCCTGGAAGCTTGTGCCTGACAATTACCCCCCAGGTGACCAGCCGCCTCCACCCTCT TACATTTATGGGGCACAACATTTGCTGCGATTGTTTGTGAAACTTCCAGAAATCCTTGGAAAGATGTCC TTTTCTGAGAAGAATCTGAAGGCTTTATTGAAGCACTTTGATCTCTTTTTGAGGTTTTTAGCAGAATAC CACGATGACTTCTTCCCAGAGTCGGCTTATGTCGCTGCCTGTGAGGCACATTACAGCACCAAGAACCCC CGGGCAATTTATTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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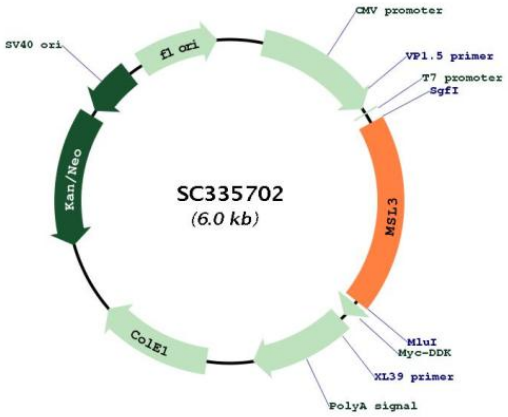
Plasmid Map:



ACCN:	NM_001282174
Insert Size:	1119 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001282174.1
RefSeq Size:	2276 bp
RefSeq ORF:	1119 bp
Locus ID:	10943
UniProt ID:	Q8N5Y2
Cytogenetics:	Xp22.2
Protein Families:	Transcription Factors
MW:	42.7 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]
Transcript Variant: This variant (6) differs in its 5' UTR and 5' coding region, and uses a distinct start codon, compared to variant 1. The resulting isoform (f) has a distinct N-terminus and is shorter than isoform a.