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Product datasheet for RG217895

MSL3L1 (MSL3) (NM_078628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL3L1 (MSL3) (NM_078628) 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:

>RG217895 representing NM_078628
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCGCGAGCGAGGGCATGAAATTTAAATTCCACTCAGGGGAGAAAGTGCTGTGCTTCGAGCCTGACC
CCACCAAGGCGCGAGTGCTGTACGATGCCAAGATTGTTGATGTTATTGTTGGGAAAGACGAAAAAGGCAG
AAAGATCCCAGAATATCTGATCCATTTTAATGGTTGGAACAGAAGCTGGGATAGATGGGCAGCAGAAGAT
CATGTGCTTCGTGATACCGATGAAAATCGTAGATTACAGCGTAAATTGGCAAGAAAAGCTGTAGCTCGCC
TGAGGAGCACAGGAAGAAAGAAGAAGCGCTGCAGGTTGCCTGGTGTGGACTCTGTCTTAAAAGGCCTCCC
CACTGAAGAAAAAGATGAAAATGATGAAAACTCATTAAGCAGTTCCTCTGACTGTAGTGAAAACAAGGAT
GAAGAAATAAGTGAAGAAAGTGATATTGAAGAAAAGACTGAAGTGAAAGAAGAACCAGAGCTTCAAACAA
GAAGGGAAATGGAAGAAAGAACAATAACTATAGAAATCCCTGAAGTTCTGAAGAAGCAGCTGGAGGATGA
TTGTTACTACATTAACAGGAGGAAACGGTTAGTGAAACTTCCATGCCAGACCAACATCATAACGATTTTG
GAATCCTATGTGAAGCATTTTGCTATCAATGCAGCCTTTTCAGCCAATGAGAGGCCTCGTCACCATCACG
TTATGCCACATGCCAACATGAACGTGCATTATATCCCAGCAGAAAAGAATGTTGACCTTTGTAAGGAGAT
GGTGGATGGATTAAGAATAACCTTTGATTACACTCTCCCGTTGGTTTTACTCTATCCATATGAACAAGCT
CAGTATAAAAAGGTGACTTCGTCTAAATTTTTTCTTCCAATTAAGGAAAGTGCCACAAGCACTAACAGGA
GCCAGGAGGAACTCTCTCCCAGTCCGCCTTTGTTGAATCCATCCACGCCACAGTCCACAGAGAGTCAGCC
GACCACCGGTGAACCAGCCACCCCCAAAAGGCGCAAAGCTGAGCCAGAAGCATTGCAGTCTCTGAGGCGG
TCCACGCGCCACAGTGCCAACTGTGACAGGCTTTCTGAGAGCAGCGCTTCACCTCAGCCCAAGCGCCGGC
AGCAGGACACATCCGCCAGCATGCCCAAGCTCTTCCTGCACCTGGAAAAGAGTAGGTTCATTCTCGGGTG
CCCCAGGCCGGGGAGAGCCAGCGTGTACTTTGTGTTTAGTCAGTGCCAGGCATGGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

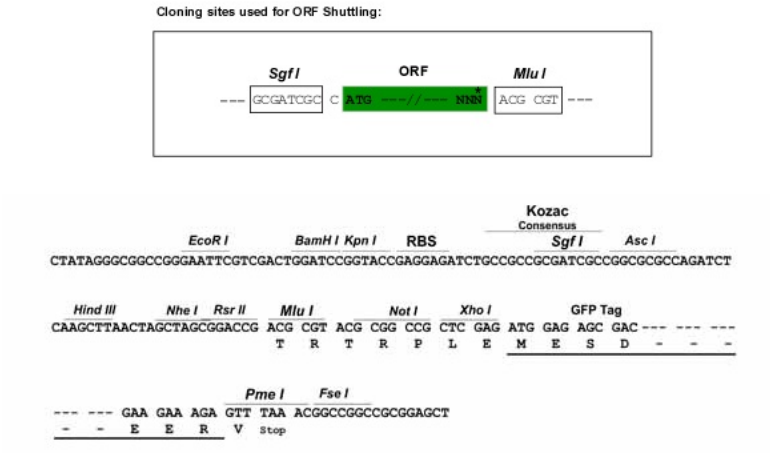
>RG217895 representing NM_078628
Red=Cloning site Green=Tags(s)

MSASEGMKFKFHSGEKVLCFEPDPTKARVLYDAKIVDVIVGKDEKGRKIPEYLIHFNGWNRSWDRWAAED
HVLRDTDENRRLQRKLARKAVARLRSTGRKKKRCRLPGVDSVLKGLPTEEKDENDENSLSSSSDCSENKD
EEISEESDIEEKTEVKEEPELQTRREMEERTITIEIPEVLKKQLEDDCYYINRRKRLVKLPCQTNIITIL
ESYVKHFAINAAFSANERPRHHHVMPHANMNVHYIPAEKNVDLCKEMVDGLRITFDYTLPLVLLYPYEQA
QYKKVTSSKFFLPIKESATSTNRSQEELSPSPPLLNPSTPQSTESQPTTGEPATPKRRKAEPEALQSLRR
STRHSANCDRLSESSASPQPKRRQQDTSASMPKLFLHLEKSRFILGCPRPGRASVYFVFSQCQAWC

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_078628

ORF Size: 1248 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_078628.1, NP_523352.1

RefSeq Size: 3564 bp

RefSeq ORF: 1251 bp

Locus ID: 10943

UniProt ID: Q8N5Y2

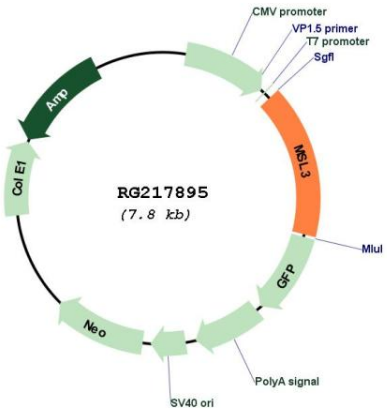
Cytogenetics: Xp22.2

Domains: CHROMO

Protein Families: Transcription Factors

Gene Summary: This gene encodes a nuclear protein that is similar to the product of the 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 RG217895