

Product datasheet for **MC201525**

Lss (NM_146006) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lss (NM_146006) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lss
Synonyms:	2810025N20Rik; D10Ertd116; D10Ertd116e; O; Osc
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029082 sequence for NM_146006
 GGGCTGGCAAGCGGTGGCAGAGAGTAGTGTCTGATGACTGAGGGCACGTGTCTGCGGCGTCTGTTGGGGGA
 CCCTATAAAACTGAGCCCGCCACCGATCTACCCGCTGGCGGCTCCAGAATGAGTTGGGTCGGCAGAGAT
 GGACTTATTATCAAGCGGAGGACGACCCCTGGTCGAGAGCAGACCGGGCTAGAGGCCCACTCTTTGGGACT
 GGACACAAGAAGTATTTTACGGACTTACAAAAGCGCAAACAGCCCATGAGGGGGCCCTGAATGGAGTA
 ACCTTTTATGCCAAGCTGCAGGCTGAGGATGGACACTGGGCTGGTATTATGGTGGTCCGCTCTTCTCT
 TGCCAGGTCTCCTGATTACCTGTACATATCACACATCTCTGCCAGCTGGATACAGAGAGGAGATGGT
 GCGGTACCTGCGGTCAGTGCAGCTCCCTGATGGCGGCTGGGGCTTGCACATCGAGGACAAGTCCACAGTG
 TTTGGGACTGCCCTGAACTATGTGGCTCTCAGAATCCTGGGTATTGGGCTGATGATCCTGACCTTGTGC
 GCGCTCGGAACGTCCTTCAAAAAAGGTGGTGCAGTGGCCATCCCTTCTGGGGAAAGTTCTGGCTGGC
 TGTCTGAATGTTTATAGCTGGGAAGGACTCAACACCCTATTCCCTGAGATGTGGCTGTTTCTGAATGG
 GTACCAGCGCACCCCTCCACTCTCTGGTGTCACTGCCGCGAGTCTATCTGCCATGAGTACTGCTACG
 CCACTCGGCTAAGTGCCTCAGAGGACCCACTGGTTCAGAGCCTCCGCCAGGAACTCTATGTGCAGGATTA
 CGCCAGCATCGATTGGCCAGCGCAGAGGAACAACGTGTCCCCGATGAGATGTACACGCCACACAGCTGG
 CTGCTGCATGTGGTGTATGGACTCCTCAACCTGTATGAACGTTTCCATAGCACAGCCTGCGGAAGTGGG
 CCGTCCAGATGCTGTATGAACACATTGCAGCTGATGACTGTTTCTACTAAGTGCATCAGCATCGGCCCGAT
 CTCAAAGACCATCAACATGCTTGTTCGTTGGTCACTGGATGGACCATCCTCCCGGCTTCCAGGAGCAC
 GTTCTCGGATCAAAGATTACCTTTGGCTGGGCTTGTGGCATGAAAATGCAGGGCACCAATGGATCAC
 AGATCTGGGACACTTCATTTGCTATCCAAGCACTGTTAGAGGCAGGTGCACACCAGACCTGAGTTTCT
 GCCCTGCCTGCAGAAGGCTCACGAGTTCCTGCGGCTTTCACAGGTTCCAGAAAATGCTCTGACTATCAG
 AAGTACTATCGCCATATGCGCAAGGGTGGTTTCTCCTTACGACACTGGACTGTGGCTGGATCGTTGCTG
 ACTGCACAGCCGAGGGTTTGAAGGCTGTGCTGCTCCTGCAGAATCAGTGTCCGTCATCACTGAGCATAT
 CCCCCAGAGCGGCTGTGCGATGCTGGATGTGTTACTGAGCTTGAGGAATGCTGATGGCGGTTCCGCT
 ACCTATGAGAAGAAGCGTGGGGTTACTTGTGAGCTGCTGAACCCCTCAGAGGTCCTTTGGAGACATCA
 TGATTGACTACACGTATGTAGAGTGTACCTCCGCTGTGATGCAGGCACTGAAGCATTTCATGAACACTT
 CCCAGACTACAGGGCAGCAGAGGTGAGGAGACCCCTCAATCAAGGCCTGGACTTCTGCCAAGGAAGCAG
 AGAGCCGATGGCTCCTGGGAGGGCTCCTGGGGTGTGTTTACCTACGGCACCTGGTTTGGCTTGGAAAG
 CGTTTCGTTGCATGGGGCATACTACCAAGATGGGGCTGCTTGTGCAGAAGTAGCTCAGGCTGCAACTT
 CCTCTGTCCCAGCAGATGGCGGATGGAGGCTGGGAGAGGACTTGAATCATGTGAACAGCGCGGATAT
 GTGCAGAGTGTAGTCCAGGTCCATAGCACCTGCTGGGCCCTGATGGGTTTGTGGCTGTGAGGCATC
 CCGACATCACTGCTCAGGAGAGAGGGATCAGATGTCTGCTAGGGAAGCAGTTACCCAATGGAGACTGGCC
 TCAGGAGAACATCTCTGGGGTCTTCAACAAGTCCCTGTGCCATCAGCTACACAAGTTACAGAAACATCTTC
 CCCATCTGGGCCCTGGGCCGCTTCTCAACCTGTATCCTGACAATACCCTCGCCGGCCACATTTGAACAC
 GTGTGTGTCTGCTGCACCTGGCCAGCATCATCACCATCCAGTCTGGAGAGCCCGTGTCTTGGCTGGG
 TGATAAGAGCCTTCTTAGCCCTGCTTAGGCCTCGTTCTATTTCTGTAGACAGGAGGCTGGGGATAGGG
 TCAGTGTGGTGTCTTTAGACACTTGTCAAGTGTGCGCTTAAAGTTCTTGGACTAGCTTCAAGTGAAGG
 GAAGAAGATGAGCCTTGAGATCCAGAGAGGCGCAGTGGATGGACTCGGAAGCTCCTGGGTATTCTGTTCTC
 CCCGAGGGAGAGAGGCTATAGAGCTTCTGTGATCAATGACTTCCCTGTGAGGGAGCAGCTGGCTTCTTCA
 CTGCTTCCCTTGTGATTGTGGAGTGGCACTTGGACATCTTGTGTTTGGCTGTGCTGAGGGAGTTAGAGC
 AGCCATATGGTGCAGGGGTGCTCAGAGAAAAGGCTCAATGGCAGGTGAGGCAGGTCCCTTACTCATTGTGC
 CCTGAGCAGTGTCTGGTGTCCCTAGAAACTTGGTACCCATGACTACATCACTATATGAAATGCCAGTTAT
 TCAGAAAAGGAAATACAACTGGCTTTGTACCAGAAATGCTACTAAAAGTCATTTGAATGATCACCAGCTC
 CCTTACTAAACAGACCCTGGCGTAGTAAAGAACAGCGGCTGCTCTCAGAGGACCTGGGTTTGTATTCC
 TGGCACCCACCTGGTGGCTAACAGCATGTAACCTCAGTTCTCAGGGAACCCAATGTCATCTTCTGGCCTC
 TGTGGGCACTGCACACATGGTACATAGACATACATACTATAACATCTATAACATAAAATAAATCCT
 GAAAAATAAATAATTAACAAAAACAAA
 AA

Restriction Sites: RsrII-NotI
ACCN: NM_146006
Insert Size: 2202 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:	<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:	BC029082 , AAH29082
RefSeq Size:	3192 bp
RefSeq ORF:	2202 bp
Locus ID:	16987
UniProt ID:	Q8BLN5
Cytogenetics:	10 39.1 cM
Gene Summary:	This gene encodes an enzyme that catalyzes the conversion of (S)-2,3 oxidosqualene to lanosterol. The encoded protein is a member of the terpene cyclase/mutase family and catalyzes the first step in the biosynthesis of cholesterol, steroid hormones, and vitamin D. [provided by RefSeq, Feb 2015]