

Product datasheet for **MC218462**

lws1 (BC068184) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	lws1 (BC068184) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	lws1
Synonyms:	1700069O15Rik; 3000008H23; AL117927; AW214353
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC068184
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCGGAGTACTACAGCGGGGACCAGTCAGATGATGGTGGTGCAACCCAGTACAGGACGAGCGGG
 ATTCAGGGTCAGATGGTGAGGATGGTGTAAACGAGCAGCACTCCGGATCCGACACTGGAAGGTAGACCA
 CCACTCAGAGAATGAACTAGTGATAGAGAAGATGGCTTGGCCAAGATACATAATGGAACAGACTCTGAG
 AATGATGAACCTTCCAATGCTAATGCCAGTGACTCTGAAAGTGAGGAGCTTCACAGGCCAAAGGACAGTG
 ACTCTGACTCTGAGGAGCATGCAGAGTCTCTGCTAGTGATTCTGAAAATGAACCTGTCAACCAACATGG
 GAGCGACTCTGAAAATGAAGAGCTGCTTAATGGGCATGCCAGTGACTCTGAAAAGGAAGAGGTTAGCAAG
 CATGCCGCCAGTGACTCTGAAGCTGAGGACACTCTGCAGCCTCAGGTGAGCGAGTCTGACAGTGAAGATC
 CCCCAGGCCCCAGGCCAGTGACTCAGAAAATGAGGAGCCTCCAAACCTCGGATAAGTGACTCGGAGAG
 TGAGGAGCTCCCAAACCCCGAGTCAGTGACTCAGAAAGTGAGGACCCTCCAAGGCCCCAGGCCAGTGAC
 TCAGAAAGCGAGGAGCTCCCAAACCCCGAGTCAGCGACTCTGAAAGTGAGGACCCTCCAAGGCCCCAGG
 CCAAGTGACTCAGAAAGCGAGGAGCTCCCAAACCCCGAGTCAGCGACTCGGAAAGTGAGGACCCTCAGAA
 AGGACCTGCTAGTGATTCTGAAGCTGAGGATGCCTCCAGACACAAAGAGAAGCCAGACTCAGATGACAGT
 GATGGGGAGAATAAGAGGGAAGATTCTGAAGTGCAGAATGAGTCAGATGGCCATACAGACAGAAAAGGAC
 TCCACAGCTCTGACAGCGAGGAGGAAGAACCAGGCAAAAAATTGACAGTGATGATGAAGAAAA
 GGAGGGGGATGAGGAGAAAGTAGCAAAGCGGAAGGCTGCTGTGCTTTCTGATAGTGAGGATGACGAGGC
 AACGCATCAGCAAAGAAGAGTCGAGTTGTCTGTGATGCTGATGACTCTGATAGTGATGTTGTATCGGACA
 AGTCAGGCAACGAGAGACAACAGTAGCATCTGACAGTGAAGAAGAAGCCGGGAAAGAAGAGTCTTCTGT
 GAAGAAGAAGGAAGACAAGGACCTGTTTGGGAGTGACAGTGAGTCCGGCAATGAAGAAGAAAAATCTTATT
 GCAGATATATTTGGAGAATCTGGTGATGAAGAGGAAGAGGAATTTACGGGTTTTAACCAAGAAGATTTGG
 AGGAAGAGAAAAACGAAACACAGCTAAAGGAAGCAGAAGATTCTGATTCTGATGATAACATAAAGAGAGG
 CAAGCATATGGACTTTCTGTGAGATTTTGGATGATGTTACAACGAAAAAAAGCATGTGTGGCAACGC
 AGACGAAATCGAGATGGGGCACTTTTATTAGTGATGCAGATGATGTTGTGAGCGCCATGATTGTCAAGA
 TGAATGAAGCTGCTGAGGTAAGCTCTTAGGTTACCTTCTCCCTCCTGCCCTCAACCAAAATTGATGG
 GGTGGCAATCTTCTCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC068184

Insert Size: 1632 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC068184</u> , <u>AAH68184</u>
RefSeq Size:	4353 bp
RefSeq ORF:	1631 bp
Locus ID:	73473
Cytogenetics:	18 B1
Gene Summary:	Transcription factor which plays a key role in defining the composition of the RNA polymerase II (RNAPII) elongation complex and in modulating the production of mature mRNA transcripts. Acts as an assembly factor to recruit various factors to the RNAPII elongation complex and is recruited to the complex via binding to the transcription elongation factor SUPT6H bound to the C-terminal domain (CTD) of the RNAPII subunit RPB1 (POLR2A). The SUPT6H:IWS1:CTD complex recruits mRNA export factors (ALYREF/THOC4, EXOSC10) as well as histone modifying enzymes (such as SETD2) to ensure proper mRNA splicing, efficient mRNA export and elongation-coupled H3K36 methylation, a signature chromatin mark of active transcription (By similarity).[UniProtKB/Swiss-Prot Function]