

## Product datasheet for MC211226

### Lrrc34 (NM\_027941) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrc34 (NM\_027941) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lrrc34  
**Synonyms:** 1700007J06Rik; SPATA34  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211226 representing NM\_027941  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGAAGCTCCAGGCCAGTACTGTTACTTATGTTTCAGAAAACATACGGAAAATAATCCTTTCATAC  
TGAATATACTCCAAAACTGGATGAAGAAATTGAAAAGCGACCCAAAGAAAAATTTACCGTAAATATTGC  
TGTAACAATCGCTTAGACTCCGACAAAGAATAACAGGGGAAGACTTTTGGCTTCTTCCAAAACCTTTA  
AGGAACCAGCCATGTATCAGTGGTGTGGATGTGAGGTATAACCTCATCGCGCATGTCCGGTGCCTTCTATG  
CTGCGAAACTACTTCAGAAAACAACCAAGTATCACTTATTTAAACCTTATGTTAATGATATTGGACCTGA  
AGGTGGAGAATTGATTGCTAAAGCACTACATAAAAAAAAACCTCTTAAGTATTTGAGAATGACGGGAAAT  
AAGATTGAGAACACAGGAGGCATGCTTTTTGCTGCAATGCTGCAGATGAAGCTCAAGCCTGGAGAACTGG  
ATCTGGGCGACTGTGACCTGGGACTGCAATGTGTGATCGCATTTTCTACGGTACTAACTCAAACCAAGC  
AATCAAGGAATAAACCTGAACCGCCTATACTGTACGGAGAACAGGAAGAGTCTACTGTCCACATTGGC  
CACATGTTGAAAGAAAATCATGTCCTTGTGAGCTACATATGTGCAAACATGGCATGAAAAATTATGGTT  
TACAGCAGTTATGCAATGCACTGTATTTGAACAGTAGCCTACGCTACCTTGATGTCAGTGAATAAAAT  
AACTCGTGATGGAATGGTGTGTTTTGGCTGATGCTCTAAAAGCAATACTACTCTGGAAGTACTAGATCTT  
TCTTTTAAACAGAAATAGAACTGCAGGCGCAAAGTACCTCAGTGAACTCTAACTCCACAAACAGGAGTC  
TTAAAGCATTGTCTGTAGTCAAGCAACAGATAGAAGGAGAGGGGCTTGTGCACTTTCCAGTCAATGAA  
AACCAACCTCGTACTGTCCAATATCTACATTTGGGAAACAAATTTGATGAGGATACCTGTGTGGCATAT  
TCAGATTTGATAAAGAGTGGCCGACTAAAGCCAGATAATACAGATGTGGAACCGTATATGGTGGACGAAC  
ATATTTACCTTTCAGAAGTCTCCAACGGCCTAAAAGGCATTATTACTGGGCACCGACTTATGGAGAAAC  
TTACATGCCGTCTCTCCGAGGCTTTGCTCTTGTTCCTGTGGCGAACATCTA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_027941
<b>Insert Size:</b>	1248 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_027941.1</a> , <a href="#">NP_082217.1</a>
<b>RefSeq Size:</b>	1978 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	71827
<b>UniProt ID:</b>	<a href="#">Q9DAM1</a>
<b>Cytogenetics:</b>	3 A3
<b>Gene Summary:</b>	Highly expressed in stem cells where it may be involved in regulation of pluripotency. In embryonic stem cells (ESCs), important for normal expression of the pluripotency regulators POU5F1/OCT4 and KLF4. Also important for expression of the ectodermal marker gene NES and the endodermal marker gene GATA4. Promotes stem cell proliferation in vitro. [UniProtKB/Swiss-Prot Function]