

Product datasheet for **SC328767**

LRRC34 (NM_001172779) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	LRRC34
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328767 representing NM_001172779. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCAGCGCAGCCGCCCGGCCAGTGCGGTGAGAGGAGCATGGGGAGCTCCCGGAGGCCGCCCGTGGC
CCGGCCAGGTCCCGGCTTGGGCTCCACTCAGGCCAGTACTCCGGGCGCGCCCTGGCGGTCCAGCGC
GAATCTCCAGAATCTGGTCTCCAGAAACATTATTCTAATCTGTGTATGGAAAAATCCAGAAAAATTAAT
CCTTTTATATTGCATATACTCCAAGAAGTGGATGAAGAAATTAAGGGGCTAGCAGCAGGAATCACA
TTAAACATTGCTGGTAACAATCGCTTAGTGCCAGTAGAAAGAGTTACAGGTGAAGATTTTGGATTCTT
TCCAAAATTTTAAAGAATTGCTGTATATTAATGGTTGGATGTTGGATATAACCTTCTATGTGATGTT
GGTGCACTATGCTGCGAACTGCTTCAGAAACAACCTTAATCTCATTACTTAAACCTCATGTTTAAT
GATATTGGGCCCAGGTGGAGAATTGATTGCTAAAGTGCTACATAAGAATCGGACTCTGAAATACCTA
AGAATGACTGGAACAAAATTGAAAATAAAGGTGGAATGTTTTGCTGCAATGCTGCAAAATTAATTCA
TCATTAGAGAAATTAGATCTGGGTGACTGTGATCTGGGAATGCAAGTGTGATAGCATTGTGCTACAGTA
CTAACTCAAAACCAAGCAATTAAGGCAATAAACCTAAACCGACCTATACTGTACAGTGAACAGGAAGAG
TCTACAGTCCATGTAGCCGCATGTTGAAAGAAAATCACTGTCTTGTGCACTACACATGTGTAAGCAT
GATATAAAAAACAGTGGTATACAACAGTTATGTGATGCACTGTATCTGAACAGTAGCCTGCCTACCTT
GATGTCAGCTGCAACAAAATAACTCATGATGGAATGGTGTATTTGGCTGATGTACTGAAAAGCAACACT
ACCCTGGAAGTAATAGATCTTTCCTTTAACAGAATAGAAAATGCAGGCGCAAACTATCTCAGTGAACT
CTTACTTCACACAACAGGAGTCTTAAAGCGTTGTGAGTAGTCAGCAACAACATAGAGGGAGAAGGACTT
GTTGCACTTTCACAATCAATGAAAACAAATCTCACTTTCTCTCATATCTACATTGGGGAACAAATTT
GATGAGGCTACGTGTATAGCATATTCAGACTTAATTCAAATGGGTGTCTAAAACAGACAATACAGAT
GTGGAGCCATTTGGTAGATGGACGTGTATATCTTGCAAGTCTCCAATGGCCTTAAAGCATTAT
TATTGGACATCAACTTATGGAGAATCTTATGACCACTCATCTAATGCAGGTTTTGCTCTGTTCAGTA
GGTCAACAGCCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

```



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001172779
Insert Size:	1395 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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>NM_001172779.1</u>
RefSeq Size:	1840 bp
RefSeq ORF:	1395 bp
Locus ID:	151827
UniProt ID:	<u>Q8IZ02</u>
Cytogenetics:	3q26.2
MW:	51.3 kDa

Gene Summary:

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]

Transcript Variant: This variant (2) uses an alternate 3' splice pattern with additional 3' coding exons, compared to variant 1. The resulting isoform (2) has a longer and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.