

Product datasheet for **RG207306**

LCORL (NM_153686) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LCORL
Synonyms:	MLR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207306 representing NM_153686
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAAGGGAAGAGAGAGAATGGCCGCTGCCGCCGCGCTGCTGCCGCCGCCGCCGCCGCCGCTCAGT
GCCGGAGCCCTCGGTGCGCGCGGAGAGAAGAGGATCCGGCGGGAACCGACTCTTGGCGCCACCGCCT
CATGCACTGTGTAGTTTTGAGAGTATTTAGAAGGGCTTTATGGACCACGGCTACGAAGAGACCTCAGT
TTATTTGAAGACTGTGAACCAAGAGCTGACTGACTGGTCTATGGATGAAAAATGTTCAATTTGTAACC
TACAGAGAGAAGCAGTCAGTGATTGTATACCATCTCTTGATTCTTCACAGTCAACACCAACAGAGGAGCT
ATCATCTCAGGGCCAGTCCAACACTGATAAGATTGAATGCCAAGCAGAAAATTACCTAAATGCACTCTTT
CGAAAGAAAGATCTTCCTCAGAACTGTGATCCTAACATTCCCTAGTTGCTCAGGAATTAATGAAAAAGA
TGATACGTCAATTTGCGATTGAGTACATTTCAAAAAGTGGTAAACTCAAGAGAATAGAAATGGTTCAAT
TGGACCAAGTATAGTATGTAAAAGTATCCAAATGAATCAAGCAGAAAACCTCCTTCAGGAAGAGCAGGAA
GGCCCCCTTAGACCTCACTGTGAATCGAATGCAAGAACAAAATACTCAGCAAGGGGATGGAGTGTTAGATC
TCTCTACAAAGAAAACCAGCATAAAATCTGAAGAGTCATCCATATGTGATCCTTCTTCTGAAAAATTCAGT
GGCTGGCATGCTACAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
TTGAGCCCCATTAAAGATGTGCTTAATCGTCCCATTTGAATGGAATCTGAATTTGACAACAGCATCTCTAA
CGAGCTGTACAGTTCATAACCAAAATCTCAAAAGCGAAGAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



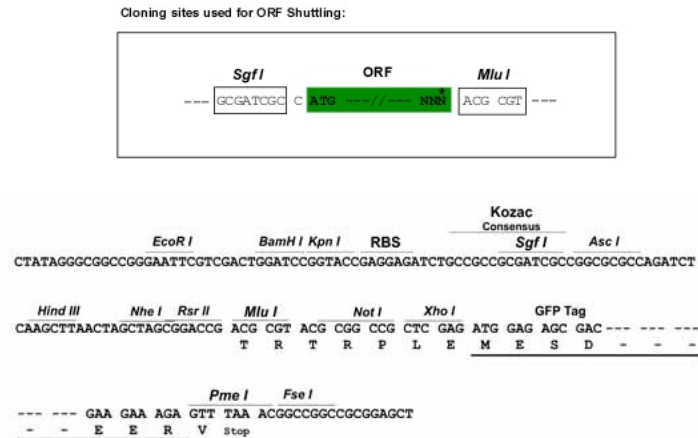
Protein Sequence: >RG207306 representing NM_153686
Red=Cloning site Green=Tags(s)

MDKGRERMAAAAAAAAAAAAAQCRSPCAAERRGFRRELDSWRHRLMHCVGFEISILEGLYGPRLRRDLS
LFEDCEPEELTDWSMDEKCSFNLQREAVSDCIPSLDSSQSTPTEELSSQGSNTDKIECQAENYLNALF
RKKDLPQNCDPNIPLVAQELMKMIRQFAIEYISKSGKTQENRNGSIGPSIVCKSIQMNQAENSLQEEQE
GPLDLTVNRMQEQNTQQGDGVLDLSTKKTSTKSEESSICDPSSSENSVAGMLQVKTDEKLNVDENTASCP
LSPIKMCLNRPIEWNLNLTTASLTCTVHNQNLKSEEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153686

ORF Size: 954 bp

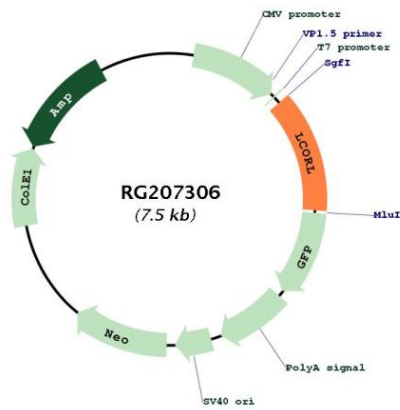
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_153686.8, NP_710153.2</u>
RefSeq Size:	3479 bp
RefSeq ORF:	957 bp
Locus ID:	254251
UniProt ID:	<u>Q8N3X6</u>
Cytogenetics:	4p15.31
Domains:	HTH_psq
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a transcription factor that appears to function in spermatogenesis. Polymorphisms in this gene are associated with measures of skeletal frame size and adult height. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG207306