

Product datasheet for **RG228488**

LCORL (NM_001166139) 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: >RG228488 representing NM_001166139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACAAGGGAAGAGAGAGAATGGCCGCTGCCGCCGCGCTGCTGCCGCCGCCGCCGCCGCCGCTCAGT
 GCCGGAGCCCTCGGTGCGCGCGGAGAGAAGAGGATTCGGCGGGAACCTGACTCTTGGCGCCACCGCCT
 CATGCACTGTGTAGGTTTTGAGAGTATTTAGAAAGGGCTTTATGGACCACGGCTACGAAGAGACCTCAGT
 TTATTTGAAGACTGTGAACCAAGAGCTGACTGACTGGTCTATGGATGAAAAATGTTCAATTTGTAACC
 TACAGAGAGAAGCAGTCAGTGATTGTATACCATCTCTTGATTCTTCACAGTCAACACCAACAGAGGAGCT
 ATCATCTCAGGGCCAGTCCAACACTGATAAGATTGAATGCCAAGCAGAAAAATTACCTAAATGCACCTTTT
 CGAAAGAAAGATCTTCTCAGAACTGTGATCCTAACATTCCCTAGTTGCTCAGGAATTAATGAAAAAGA
 TGATACGTCATTTGCGATTGAGTACATTTCAAAAAGTGGTAAACTCAAGAGAATAGAAATGGTTCAAT
 TGGACCAAGTATAGTATGTAAGATATCCAAATGAATCAAGCAGAAAACTCCCTTCAGGAAGAGCAGGAA
 GGCCCCCTAGACCTCACTGTGAATCGAATGCAAGAACAAAACTACTCAGCAAGGGGATGGAGTGTTAGATC
 TCTCTACAAAGAAAACAGCATAAAATCTGAAGAGTCATCCATATGTGATCCTTCTTCTGAAAAATTCAGT
 GGCTGGGAGACTACACAGAAACAGAGAGGACTATGTGGAAAGAAGTGCTGAGTTGCAGATGGTTTGCTC
 TCAAAAAGCTTTGAAAGACATTCAGTCTGGAGCACTGGACATAAATAAAGCAGGCATACTTTATGGCATA
 CTCAAAAAATTTTACTTCTTCACTTAGAAGCCTTACCAGCAGGGAAGCCTGCATCTTTTAAAAACAAAA
 TCGAGATTTCCATGATAGTTATTATATAAGGACAGTAAAGAACTTGTGAGTGTGCAAAAAAGTAGCC
 TTGTGGGCAAGAGCTCAAGCAGAGCGCACAGAAAAAGTAACTCAATCTACTTGAAACCTCAGAAATAA
 AATTCACACAGCTTCCACTTACCTCCATCAGCTAACTCTACAGAAATGGTCACTCAGTTTAAAGAAAA
 AAATGAAAGCCTCCAATATGAAACTTCAAATCCTACTGTACAGTTAAAAATTCCTCAGCTACGAGTAAGT
 TCTGTCTCAAAATCACAACTGATGGTTCTGGTCTGTTGGATGTTATGTATCAAGTTTCCAAACCTCTT
 CAGTCTAGAAGGATCAGCTCTCAAAAACTGAAAAATATACTCCCTAAACAGAACAAAAATAGAATGTT
 TGGGCTGTAACTCACTCAAGTGTGACTCTTACTTTCTACATGGGACCTCTCTCTTTGTGCTTAAT
 TCTAAAAATGGAACAGTTGATGGAACCTCTGAAAAATCTGAAGATGGATTAGATCGAAAAAGACAGTAAGC
 AGCCCAGGAAAAACGTGGCCGCTATCGGCAATATGATCATGAAATAATGGAAGAAGCTATTGCAATGGT
 AATGAGCGGAAAAATGAGTGTTTCAAAGCACAGGAATTTATGGGGTACCTCAGCACTTTAGAATAC
 AAGGTAAGAAAGATCTGGAACACTGAAGACTCTCCGAAGAAGAACTACGATTACCAGACACTGGGT
 TATATAATATGACAGATTCAGGGACTGGCAGCTGCAAAAAACAGCAGCAAGCCTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

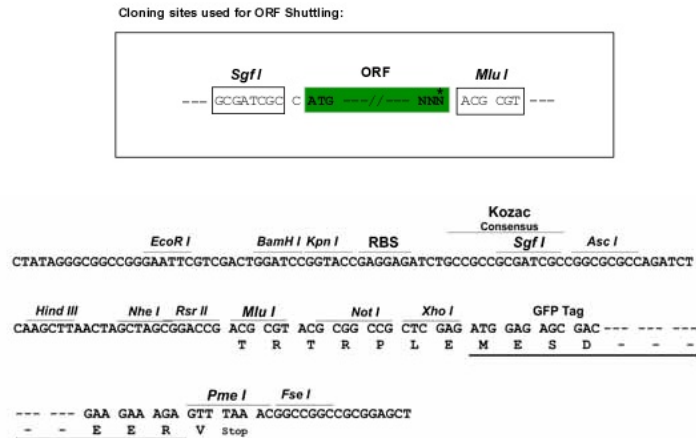
Protein Sequence: >RG228488 representing NM_001166139
 Red=Cloning site Green=Tags(s)

MDKGRERMAAAAAAAAAAAAAQCRSPRCAEERRGFRRELDSSWRHRLMHCYGFESILEGLYGPRLRRDLS
 LFEDCEPEELTDWSDMEKCSFCNLQREAVSDCIPSLDSSQSTPTEELSSQGSNTDKIECQAENYLNALF
 RKKDLQNCDPNIPVAQELMKMIRQFAIEYISKSGKTQENRNGSIGPSIVCKSIQMNQAENSLQEEQE
 GPLDLTVNRMQEQTQQGDGVLDLSTKKTSIKSEESSICDPSSSENSVAGRLHRNREDYVERSAEFADGLL
 SKALKDIQSGALDINKAGILYGIQKTLHLLEALPAGKPASFKNKTRDFHDSYSYKDSKETCAVLQKVA
 LWARAQARTEKSKLNLLETSEIKFPTASTYLHQLTLQKMTQFKEKNESLQYETSNPTVQLKIPQLRVS
 SVSKSQPDGSGLLDVMYQVSKTSSVLEGSALQKLKNILPKQNKIECSGPVTHSSVDSYFLHGDLSPLCLN
 SKNGTVDGTSENTEDGLDRKDSKQPRKRGYRQYDHEIMEEAIAMVMMSGKMSVSKAQGIYGVPHSTLEY
 VKKERSGTLKTPPKKLRPLDPTGLYNMTDSGTGCKNSKPV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001166139

ORF Size: 1806 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: [NM_001166139.2](#), [NP_001159611.1](#)

RefSeq Size: 5057 bp

RefSeq ORF: 1809 bp

Locus ID: 254251

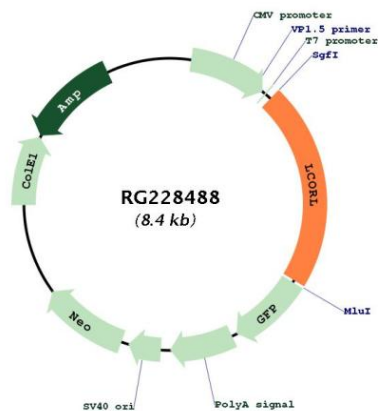
UniProt ID: [Q8N3X6](#)

Cytogenetics: 4p15.31

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 RG228488