

Product datasheet for **RG224042**

LCOR (NM_032440) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LCOR (NM_032440) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LCOR
Synonyms: C10orf12; MLR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224042 representing NM_032440
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCGAATGATCCAACAATTTGCTGCTGAATATACCTCAAAAAATAGCTCTACTCAGGACCCAGCC
 AGCCCAATAGCACAAAGAACCAAGCCTGCCGAAAGCATCTCCAGTCACCACCTCTCCCACGGCTGCAAC
 TACTCAGAACCTGTGCTCAGCAAATTCTCATGGCTGACCAAGACTCACCTCTGGACCTTACTGTCAGA
 AAGTCTCAGTCAGAACCTAGCGAACAAGACGGTGTACTTGATCTGTCCACTAAGAAAAGTCCATGTGCTG
 GCAGCACTTCCCTGAGCCACTCTCCAGGCTGCTCCAGTACTCAAGGGAACGGGCGACCTGGGAGACCCAG
 CCAGTACCGCCAGACGGACTTCGGAGTGGTATGGGGTACCTCCAAGAAGCTTACAGGATGGAACCAGG
 GAAGGTTTTGGACTCCACATCACTCAAAGTTCCACTGGCTCGATCCCTGCAGATTAGTGAAGAACTAC
 TGAGCAGAAACCAATTGTCCACAGCTGCCAGCCTTGGGCCATCTGGATTACAGAATCATGGACAACACTT
 AATATTATCCAGGGAAGCCTCTTGGGCAAAACACATTACGAGTTCAACCTCAGCCGTATGAAGTTCAGG
 GGAAATGGTGAAGTCAAGCAACATCAGTGACCTTCTTTTCTTGCAGAAAAGTCTGCCTTTCCAAAATGG
 CACTTCAAGCAAAAACAAGATGGAAAAAAGGACGTGAGCCATTATCTCCTGTAGATTTAAGATACCACA
 AGTTCGAGGAATGGATCTTTCTTGGGAGTCTCGCACTGGTATCAGTACAGCTATAGCTCTTTGGTAATG
 GGTTCAAAAACGGAGAGCGCCTTAGTAAAAAATTAAGGGCTATTTCCAAAACAAAGTAGAAAAAAGCA
 TGTTAGATGCTGGGCCGATTCTTGGGGCTCAGATGCTGAGCAGTCTACCCTGGACAGCCATATCCCAC
 ATCGGATCAAGAAGGAGACCCCTGGCTCCAAGCAGCCTCGGAAGAAAAGAGGGCGTTACAGACAGTACAAC
 AGTGAGATACTGGAGGAAGCAATCTCAGTGGTTATGAGTGGAAAAATGAGTGTTCCAAAGCTCAGAGTA
 TTTATGGGATTTCCACAGTACACTGGAGTACAAAGTAAAGGAGAGGCTGGGCACTTTAAAAACCTCC
 AAAGAAAAAGATGAAATTAATGAGGTCGGAGGGGCCAGATGTTTCTGTAAAGATTGAATTAGATCCCAG
 GGAGAGGCAGCACAAAGTCAAATGAATCAAAAAACGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224042 representing NM_032440
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MQRMIQQFAAEYTSKNSSTQDPSQPNSTKNQSLPKASPVTTSPATAATTQNPVLSKLLMADQDPLDLTVR
 KSQSEPSEQDGVLDLSTKKSPCAGSTLSHSPGCSSTQGNRPGRPSQYRPDGLRSGDGVPPRSLQDGTR
 EGFHSTSLKVLARSLQISEELLSRNQLSTAASLGPSTLQNHGQHLILSREASWAKPHYEFNLSRMKFR
 GNGALSNIIDLFLAENSAPFKMALQAKQDGGKDVSHSSPVDLKIPIQVRGMDLSWESRTGDQYSYSSLVM
 GSQTESALSKKLRAILPKQSRKSMLDAGPDSWGSDAEQSTPGQPYPTSDQEGDPGSKQPRKKRGRYRQYN
 SEILEEATSVVMGKMSVSKAQSIYGIPHSTLEYKVKERLGTLNPPKKMKLMRSEGPDVSVKIELDPQ
 GEAAQSANESKNE

TRTRPLE - GFP Tag - V

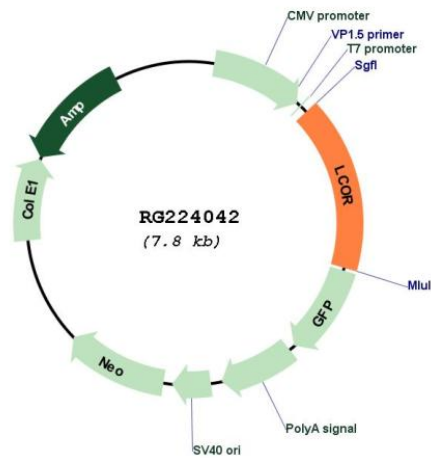
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_032440

ORF Size:	1299 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:	<ol style="list-style-type: none">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.
RefSeq:	NM_032440.2
RefSeq Size:	4852 bp
RefSeq ORF:	1302 bp
Locus ID:	84458
UniProt ID:	Q96JN0
Cytogenetics:	10q24.1
Protein Families:	Druggable Genome
Gene Summary:	LCOR is a transcriptional corepressor widely expressed in fetal and adult tissues that is recruited to agonist-bound nuclear receptors through a single LxxLL motif, also referred to as a nuclear receptor (NR) box (Fernandes et al., 2003 [PubMed 12535528]).[supplied by OMIM, Mar 2008]